

1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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HNHHA47	658743	1748	blastx.2	protein [Macaca fascicularis] CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	48%	125	39
HNHKI74	777856	1752	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	65%	606	343
HNHLD80	839255	1754	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	70% 51% 75%	708 554 448	538 444 401
HNHLS76	853372	1755	blastx.2	CAGH45.	sp O15410 O15410	74%	146	316
HNHMY76	838256	1759	blastx.2	PVA1 GENE.	sp Q26195 Q26195	53% 61%	468 454	758 492
HNKAA76	802009	1764	blastx.2	CDNA: FLJ23338 fis, clone HEP13242.	sp BAB15616 BAB15616	99% 60%	323 353	1492 421
HNTAF42	824082	1765	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	71%	380	673
HNTCG32	897776	1766	HMMER 2.1.1	PFAM: Sodium/hydrogen exchanger family	PF00999	244.7	178	789
			blastx.2	SODIUM/HYDROGEN EXCHANGER 6 (NA(+)/H(+) EXCHANGER 6) 1	sp Q92581 NAH6_HUM AN	62%	13	1230
HNTNY89	886188	1767	blastx.2	(AL121845) dJ583P15.4.1 (novel protein (translation of cDNA FLJ20406 (Em:AK000413))) [Homo sapiens]	emb CAC03671.1	89%	158	1006
HNTRQ40	809100	1769	blastx.2	EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE EPS15R.	sp Q9UBC2 Q9UBC2	81% 95% 82% 24% 37% 43% 37% 42% 49% 35% 43% 51%	195 11 1498 750 20 1567 495 202 1567 32 1398 1452	1604 451 1857 1610 247 1812 695 495 1791 292 1544 1544

HODBF86	605001	1789	blastx.2	GAG POLYPROTEIN (FRAGMENT).	sp Q9PZ45 Q9PZ45	100%	77	487
HODBX93	897498	1792	blastx.2	protein BY15 - common tobacco (fragment)	pir T02229 T02229	81%	50	142
HODDG72	655357	1798	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	53%	817	659
HODDJ25	824592	1799	blastx.2	PRO1038.	sp Q9PIL0 Q9PIL0	100%	680	1519
HODDQ06	834824	1802	blastx.2	PDZ-BINDING KINASE.	sp Q9NZK6 Q9NZK6	99%	200	1165
HODEA20	840376	1803	blastx.2	EH domain protein Reps1 - mouse	pir T09173 T09173	83% 30%	6 6	1229 1208
HOEBI94	795312	1806	blastx.2	HNRNP 2H9A.	sp Q9NPA7 Q9NPA7	99% 98% 37%	167 814 185	820 1158 700
HOECB33	840378	1808	blastx.2	CDNA: FLJ22362 fis, clone HRC06544.	sp BAB15321 BAB15321	100%	10	525
HOECX21	842866	1809	blastx.2	Cd003 protein.	sp AAG09680 AAG09680	100%	368	219
HOEDE27	825262	1810	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	48% 58% 75%	8 931 762	277 746 643
HOEEK81	844390	1811	blastx.2	CALCIUM CHANNEL GAMMA 5 SUBUNIT.	sp Q9JJV3 Q9JJV3	75%	51	596
HOEEZ62	638833	1812	blastx.2	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - human mitochondrion	pir A00422 DNHUN3	89%	12	338
HOEFJ26	847422	1813	blastx.2	CDNA: FLJ23147 fis, clone LNG09295.	sp BAB15557 BAB15557	76%	1201	995
HOEFMF63	847423	1815	blastx.2	L6 surface protein - human	pir A42926 A42926	88% 82%	86 409	409 690
HOEFMJ65	664498	1816	blastx.2	COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENT).	sp P70560 CA1C_RAT	74%	987	1160
HOEFMO16	596835	1818	HMMER 2.1.1	PFAM: 3-beta hydroxysteroid dehydrogenase/isomerase family	PF01073	68.3	149	346
			blastx.2	3 beta-hydroxy-delta 5-C27-steroid oxidoreductase.	sp AAG37824 AAG37824	90% 83%	11 349	346 438

HOFMP62	866469	1819	blastx.2	(AP002460) gene_id:F1D9.26~unknown protein [Arabidopsis thaliana]	dbj BAA97098.1	94%	786	899
						90%	773	898
						100%	791	898
						100%	791	898
						100%	791	898
						100%	791	898
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1. 1990年12月31日	
流动资产	1,000,000
长期资产	2,000,000
负债	3,000,000
所有者权益	4,000,000
总资产	5,000,000
总负债及所有者权益	5,000,000
2. 1991年12月31日	
流动资产	1,200,000
长期资产	2,200,000
负债	3,200,000
所有者权益	4,200,000
总资产	5,200,000
总负债及所有者权益	5,200,000
3. 1992年12月31日	
流动资产	1,400,000
长期资产	2,400,000
负债	3,400,000
所有者权益	4,400,000
总资产	5,400,000
总负债及所有者权益	5,400,000
4. 1993年12月31日	
流动资产	1,600,000
长期资产	2,600,000
负债	3,600,000
所有者权益	4,600,000
总资产	5,600,000
总负债及所有者权益	5,600,000
5. 1994年12月31日	
流动资产	1,800,000
长期资产	2,800,000
负债	3,800,000
所有者权益	4,800,000
总资产	5,800,000
总负债及所有者权益	5,800,000
6. 1995年12月31日	
流动资产	2,000,000
长期资产	3,000,000
负债	4,000,000
所有者权益	5,000,000
总资产	6,000,000
总负债及所有者权益	6,000,000
7. 1996年12月31日	
流动资产	2,200,000
长期资产	3,200,000
负债	4,200,000
所有者权益	5,200,000
总资产	6,200,000
总负债及所有者权益	6,200,000
8. 1997年12月31日	
流动资产	2,400,000
长期资产	3,400,000
负债	4,400,000
所有者权益	5,400,000
总资产	6,400,000
总负债及所有者权益	6,400,000
9. 1998年12月31日	
流动资产	2,600,000
长期资产	3,600,000
负债	4,600,000
所有者权益	5,600,000
总资产	6,600,000
总负债及所有者权益	6,600,000
10. 1999年12月31日	
流动资产	2,800,000
长期资产	3,800,000
负债	4,800,000
所有者权益	5,800,000
总资产	6,800,000
总负债及所有者权益	6,800,000
11. 2000年12月31日	
流动资产	3,000,000
长期资产	4,000,000
负债	5,000,000
所有者权益	6,000,000
总资产	7,000,000
总负债及所有者权益	7,000,000

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HOFMV22	812864	1821	blastx.2	(AF177940) ion channel homolog [Homo sapiens]	gb AAG09301.1 AF177940_1	100%	791	898
HOFNY15	668259	1823	blastx.2	CDNA FLJ12701 fis, clone NT2RP1000730.	sp BAB14234 BAB14234	89%	331	999
HOFNY28	603911	1824	blastx.2	AF-1 [Homo sapiens]	gb AAA16955.1	59%	13	654
HOGAA41	843499	1826	blastx.2	PROTEIN TYROSINE PHOSPHATASE-LIKE PROTEIN PTPLB.	sp Q9JLK1 Q9JLK1	93%	496	1257
HOGAB51	825278	1827	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	71%	884	1174
HOGAH40	790978	1828	blastx.2	CDNA FLJ20420 FIS, CLONE KAT02462.	sp Q9NX63 Q9NX63	100%	164	844
HOGAP06	823364	1829	blastx.2	(AB055298) hypothetical	dbj BAB21923.1	70%	1445	1669

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								39%			322	119
								52%			316	209
								52%			316	209
								44%			316	143
								52%			316	209
								39%			316	119
								48%			316	143
								43%			316	125
								38%			322	119
								46%			597	442
								58%			316	209
								55%			316	203
								52%			316	209
								43%			310	119
								39%			316	119
								35%			708	442
								38%			594	385
								42%			603	442
								41%			594	442
								43%			594	442
								39%			594	442
								41%			594	442
								40%			576	385
								39%			594	391
								41%			594	385
								43%			594	442
								48%			594	442
								40%			603	442
								43%			594	436
								43%			594	442
								48%			576	442
								53%			316	239
HOGCL01	846353	1835	HMMER 2.1.1	PFAM: KOW motif	PF00467			40.2			332	442
			WUblastx.6 4	(AK024570) unnamed protein product [Homo sapiens]	dbj BAB14929.1			98%			167	814
HOHBB36	847428	1836	blastx.2	myosin I alpha chain - mouse	pir A45438 A45438			95%			2093	3

HOHBC57	813392	1837	blastx.2	DJ377F16.1 (PUTATIVE NOVEL PROTEIN) (FRAGMENT).	sp Q9Y3L0 Q9Y3L0	93%	2237	2103
HOHBO66	853375	1838	blastx.2	DED PROTEIN.	sp Q9NY61 Q9NY61	93% 91% 50% 40% 43%	844 1397 1397 1367 1367	212 828 1278 1269 1272
HOHBZ10	836519	1839	blastx.2	CSRI.	sp Q9UM16 Q9UM16	96% 50% 49% 46% 47% 46% 39% 43%	775 778 748 781 829 646 405 411	389 404 404 431 521 404 827 761
HONAH67	821419	1842	blastx.2	CDNA FLJ14272 fis, clone PLACE1004793, weakly similar to 1	sp BAB14889 BAB14889	96% 94%	513 1171	1172 1338
HOAC84	604043	1843	blastx.2	TRABECULIN-ALPHA.	sp Q9UKP0 Q9UKP0	84% 100% 100% 29% 36%	1324 325 592 1381 1387	1482 444 690 1461 1461
HOPBP13	825243	1844	blastx.2	CDNA FLJ20378 FIS, CLONE KAI0536.	sp Q9NX85 Q9NX85	61%	2180	1863
HORBI80	877660	1846	blastx.2	DIPEPTIDYL-PEPTIDASE III (EC 3.4.14.4).	sp Q9NY33 Q9NY33	99% 100%	92 30	2239 92
HORBL77	852099	1847	blastx.2	HYPOTHETICAL 24.4 KDA PROTEIN IN LPD 3'REGION (ORF4).	sp O66114 YLP4_ZYMM O	28% 37%	221 924	787 1010
HOSEM81	846354	1850	blastx.2	(AF255648) rGAP-iso [Homo sapiens]	gb AAG44636.1 AF255648_1	100%	1012	803
HOSEO83	847083	1851	blastx.2	CDNA FLJ11786 fis, clone HEMBA1006036.	sp BAB13911 BAB13911	75% 48% 54%	659 456 304	769 665 414

HOSFR35	845994	1852	blastx.2	CDNA FLJ20035 FIS, CLONE COL00213.	sp Q9NXV7 Q9NXV7	67% 63%	316 9	780 320
HOUBC29	872565	1854	blastx.2	GTP-binding protein rab2 - rat	pir B39963 B39963	94%	763	876
HOUBG39	601696	1855	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	67%	1645	1403
HOUCD12	605006	1856	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	69%	250	555
HOUIDB17	603417	1857	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N083 Q9N083	64%	687	367
HOUJG68	793749	1863	blastx.2	CDNA FLJ10808 FIS, CLONE NT2RP4000879, WEAKLY SIMILAR TO 1	sp Q9NVVC9 Q9NVVC9	100%	2	355
HOVAD93	821333	1865	blastx.2	CDNA: FLJ22976 fis, clone KAT11222 (Fragment).	sp BAB15513 BAB15513	100% 100% 100% 96% 100%	780 780 780 780 781	860 860 860 860 858
HOVAJ68	741098	1869	blastx.2	CDNA FLJ20378 FIS, CLONE KAJA0536.	sp Q9NX85 Q9NX85	73%	1612	1493
HOVAW46	892162	1870	blastx.2	PUTATIVE P150.	sp O00363 O00363	46% 40% 47% 37% 66% 41%	697 1030 1152 1316 768 395	359 773 1009 1125 697 345
HOVBB19	843768	1871	blastx.2	catalase (EC 1.11.1.6) - Campylobacter jejuni	pir I40767 I40767	97%	307	197
HOVBI16	581097	1874	blastx.2	TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (NUCLEAR COREPRESSOR KAP-1) (KRAB-ASSOCIATED PROTEIN 1).	sp Q13263 TF1B_HUMAN	87%	202	723
HOVCF30	638142	1877	blastx.2	(AP002460) gene_id:FID9.26~unknown protein [Arabidopsis thaliana]	dbj BAA97098.1	76% 74% 100% 100%	759 759 807 807	908 908 908 908

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1. 1990-1991 2. 1991-1992 3. 1992-1993 4. 1993-1994 5. 1994-1995 6. 1995-1996 7. 1996-1997 8. 1997-1998 9. 1998-1999 10. 1999-2000 11. 2000-2001 12. 2001-2002 13. 2002-2003 14. 2003-2004 15. 2004-2005 16. 2005-2006 17. 2006-2007 18. 2007-2008 19. 2008-2009 20. 2009-2010 21. 2010-2011 22. 2011-2012 23. 2012-2013 24. 2013-2014 25. 2014-2015 26. 2015-2016 27. 2016-2017 28. 2017-2018 29. 2018-2019 30. 2019-2020 31. 2020-2021 32. 2021-2022 33. 2022-2023 34. 2023-2024 35. 2024-2025 36. 2025-2026 37. 2026-2027 38. 2027-2028 39. 2028-2029 40. 2029-2030 41. 2030-2031 42. 2031-2032 43. 2032-2033 44. 2033-2034 45. 2034-2035 46. 2035-2036 47. 2036-2037 48. 2037-2038 49. 2038-2039 50. 2039-2040 51. 2040-2041 52. 2041-2042 53. 2042-2043 54. 2043-2044 55. 2044-2045 56. 2045-2046 57. 2046-2047 58. 2047-2048 59. 2048-2049 60. 2049-2050 61. 2050-2051 62. 2051-2052 63. 2052-2053 64. 2053-2054 65. 2054-2055 66. 2055-2056 67. 2056-2057 68. 2057-2058 69. 2058-2059 70. 2059-2060 71. 2060-2061 72. 2061-2062 73. 2062-2063 74. 2063-2064 75. 2064-2065 76. 2065-2066 77. 2066-2067 78. 2067-2068 79. 2068-2069 80. 2069-2070 81. 2070-2071 82. 2071-2072 83. 2072-2073 84. 2073-2074 85. 2074-2075 86. 2075-2076 87. 2076-2077 88. 2077-2078 89. 2078-2079 90. 2079-2080 91. 2080-2081 92. 2081-2082 93. 2082-2083 94. 2083-2084 95. 2084-2085 96. 2085-2086 97. 2086-2087 98. 2087-2088 99. 2088-2089 100. 2089-2090 101. 2090-2091 102. 2091-2092 103. 2092-2093 104. 2093-2094 105. 2094-2095 106. 2095-2096 107. 2096-2097 108. 2097-2098 109. 2098-2099 110. 2099-2100 111. 2100-2101 112. 2101-2102 113. 2102-2103 114. 2103-2104 115. 2104-2105 116. 2105-2106 117. 2106-2107 118. 2107-2108 119. 2108-2109 120. 2109-2110 121. 2110-2111 122. 2111-2112 123. 2112-2113 124. 2113-2114 125. 2114-2115 126. 2115-2116 127. 2116-2117 128. 2117-2118 129. 2118-2119 130. 2119-2120 131. 2120-2121 132. 2121-2122 133. 2122-2123 134. 2123-2124 135. 2124-2125 136. 2125-2126 137. 2126-2127 138. 2127-2128 139. 2128-2129 140. 2129-2130 141. 2130-2131 142. 2131-2132 143. 2132-2133 144. 2133-2134 145. 2134-2135 146. 2135-2136 147. 2136-2137 148. 2137-2138 149. 2138-2139 150. 2139-2140 151. 2140-2141 152. 2141-2142 153. 2142-2143 154. 2143-2144 155. 2144-2145 156. 2145-2146 157. 2146-2147 158. 2147-2148 159. 2148-2149 160. 2149-2150 161. 2150-2151 162. 2151-2152 163. 2152-2153 164. 2153-2154 165. 2154-2155 166. 2155-2156 167. 2156-2157 168. 2157-2158 169. 2158-2159 170. 2159-2160 171. 2160-2161 172. 2161-2162 173. 2162-2163 174. 2163-2164 175. 2164-2165 176. 2165-2166 177. 2166-2167 178. 2167-2168 179. 2168-2169 180. 2169-2170 181. 2170-2171 182. 2171-2172 183. 2172-2173 184. 2173-2174 185. 2174-2175 186. 2175-2176 187. 2176-2177 188. 2177-2178 189. 2178-2179 190. 2179-2180 191. 2180-2181 192. 2181-2182 193. 2182-2183 194. 2183-2184 195. 2184-2185 196. 2185-2186 197. 2186-2187 198. 2187-2188 199. 2188-2189 200. 2189-2190 201. 2190-2191 202. 2191-2192 203. 2192-2193 204. 2193-2194 205. 2194-2195 206. 2195-2196 207. 2196-2197 208. 2197-2198 209. 2198-2199 210. 2199-2200 211. 2200-2201 212. 2201-2202 213. 2202-2203 214. 2203-2204 215. 2204-2205 216. 2205-2206 217. 2206-2207 218. 2207-2208 219. 2208-2209 220. 2209-2210 221.	
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Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 10.0
Gender	
Male	50 (50.0%)
Female	50 (50.0%)
Education (years)	12.0 ± 2.0
Marital status	
Married	40 (80.0%)
Single	10 (20.0%)
Occupation	
Retired	30 (60.0%)
Unemployed	20 (40.0%)
Income (USD/month)	1,200 ± 300
Health status	
Good	30 (60.0%)
Fair	20 (40.0%)
Poor	10 (20.0%)
Smoking status	
Smoker	10 (20.0%)
Non-smoker	40 (80.0%)
Alcohol consumption	
Regular	5 (10.0%)
Occasional	15 (30.0%)
Never	30 (60.0%)
Comorbidities	
Hypertension	20 (40.0%)
Diabetes	10 (20.0%)
Cholesterol	15 (30.0%)
Arthritis	25 (50.0%)
Depression	10 (20.0%)
Medication use	
Yes	30 (60.0%)
No	20 (40.0%)
Health insurance	
Yes	40 (80.0%)
No	10 (20.0%)
Healthcare access	
Easy	30 (60.0%)
Difficult	20 (40.0%)
Healthcare utilization	
Regular	20 (40.0%)
Occasional	15 (30.0%)
Never	15 (30.0%)
Healthcare satisfaction	
Satisfied	30 (60.0%)
Dissatisfied	20 (40.0%)
Healthcare quality	
Good	30 (60.0%)
Fair	20 (40.0%)
Poor	10 (20.0%)
Healthcare cost	
Low	20 (40.0%)
High	30 (60.0%)
Healthcare access barriers	
Distance	10 (20.0%)
Cost	15 (30.0%)
Time	10 (20.0%)
Information	5 (10.0%)
Transportation	5 (10.0%)
Language	5 (10.0%)
Healthcare quality barriers	
Staff	10 (20.0%)
Facilities	15 (30.0%)
Equipment	10 (20.0%)
Medication	5 (10.0%)
Healthcare cost barriers	
Insurance	10 (20.0%)
Out-of-pocket	15 (30.0%)
Co-payment	10 (20.0%)
Healthcare access facilitators	
Proximity	10 (20.0%)
Affordability	15 (30.0%)
Convenience	10 (20.0%)
Information	5 (10.0%)
Transportation	5 (10.0%)
Language	5 (10.0%)
Healthcare quality facilitators	
Staff	10 (20.0%)
Facilities	15 (30.0%)
Equipment	10 (20.0%)
Medication	5 (10.0%)
Healthcare cost facilitators	
Insurance	10 (20.0%)
Out-of-pocket	15 (30.0%)
Co-payment	10 (20.0%)
Healthcare access barriers (continued)	
Distance	10 (20.0%)
Cost	15 (30.0%)
Time	10 (20.0%)
Information	5 (10.0%)
Transportation	5 (10.0%)
Language	5 (10.0%)
Healthcare quality barriers (continued)	
Staff	10 (20.0%)
Facilities	15 (30.0%)
Equipment	10 (20.0%)
Medication	5 (10.0%)
Healthcare cost barriers (continued)	
Insurance	10 (20.0%)
Out-of-pocket	15 (30.0%)
Co-payment	10 (20.0%)
Healthcare access facilitators (continued)	
Proximity	10 (20.0%)
Affordability	15 (30.0%)
Convenience	10 (20.0%)
Information	5 (10.0%)
Transportation	5 (10.0%)
Language	5 (10.0%)
Healthcare quality facilitators (continued)	
Staff	10 (20.0%)
Facilities	15 (30.0%)
Equipment	10 (20.0%)
Medication	5 (10.0%)
Healthcare cost facilitators (continued)	
Insurance	10 (20.0%)
Out-of-pocket	15 (30.0%)
Co-payment	10 (20.0%)

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Table 1. Demographic characteristics of the study population	
Age (years)	Mean ± SD
Male	50.0 ± 10.0
Female	50.0 ± 10.0
Weight (kg)	Mean ± SD
Male	70.0 ± 10.0
Female	60.0 ± 10.0
Height (cm)	Mean ± SD
Male	170.0 ± 5.0
Female	160.0 ± 5.0
Education (years)	Mean ± SD
Male	12.0 ± 2.0
Female	12.0 ± 2.0
Occupation	
Male	Professional, 30.0%; Managerial, 20.0%; Skilled, 30.0%; Unskilled, 20.0%
Female	Professional, 20.0%; Managerial, 10.0%; Skilled, 30.0%; Unskilled, 40.0%
Marital status	
Male	Married, 80.0%; Single, 10.0%; Divorced, 10.0%
Female	Married, 70.0%; Single, 10.0%; Divorced, 20.0%
Religion	
Male	Hindu, 60.0%; Muslim, 30.0%; Christian, 10.0%; Other, 0.0%
Female	Hindu, 50.0%; Muslim, 30.0%; Christian, 10.0%; Other, 10.0%
Income (Rs/month)	Mean ± SD
Male	10,000.0 ± 5,000.0
Female	8,000.0 ± 4,000.0
Smoking status	
Male	Smoker, 30.0%; Non-smoker, 70.0%
Female	Smoker, 10.0%; Non-smoker, 90.0%
Alcohol consumption	
Male	Regular, 20.0%; Occasional, 30.0%; Never, 50.0%
Female	Regular, 10.0%; Occasional, 20.0%; Never, 70.0%
Family size	Mean ± SD
Male	3.0 ± 1.0
Female	3.0 ± 1.0
Urban/rural	
Male	Urban, 60.0%; Rural, 40.0%
Female	Urban, 50.0%; Rural, 50.0%

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Table 1. Demographic characteristics of the study population	
Age (years)	50.0 ± 10.0
Gender	
Male	50.0%
Female	50.0%
Education	
High school	50.0%
University	50.0%
Occupation	
Manager	50.0%
Worker	50.0%
Unemployed	50.0%
Marital status	
Married	50.0%
Single	50.0%
Divorced	50.0%
Widowed	50.0%
Health status	
Good	50.0%
Poor	50.0%
Smoking status	
Smoker	50.0%
Non-smoker	50.0%
Alcohol consumption	
Drinker	50.0%
Non-drinker	50.0%
Family size	
1-2	50.0%
3-4	50.0%
5-6	50.0%
7-8	50.0%
9-10	50.0%
11-12	50.0%
13-14	50.0%
15-16	50.0%
17-18	50.0%
19-20	50.0%
21-22	50.0%
23-24	50.0%
25-26	50.0%
27-28	50.0%
29-30	50.0%
31-32	50.0%
33-34	50.0%
35-36	50.0%
37-38	50.0%
39-40	50.0%
41-42	50.0%
43-44	50.0%
45-46	50.0%
47-48	50.0%
49-50	50.0%
51-52	50.0%
53-54	50.0%
55-56	50.0%
57-58	50.0%
59-60	50.0%
61-62	50.0%
63-64	50.0%
65-66	50.0%
67-68	50.0%
69-70	50.0%
71-72	50.0%
73-74	50.0%
75-76	50.0%
77-78	50.0%
79-80	50.0%
81-82	50.0%
83-84	50.0%
85-86	50.0%
87-88	50.0%
89-90	50.0%
91-92	50.0%
93-94	50.0%
95-96	50.0%
97-98	50.0%
99-100	50.0%

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Physical Properties	
Boiling point (°C)	100.0
Melting point (°C)	10.0
Density (g/cm ³)	0.80
Refractive index (n _D ²⁰)	1.36
Viscosity (cP)	0.50
Chemical Properties	
Acidity (pK _a)	4.75
Basicity (pK _b)	9.25
Stability (h)	24
Decomposition (°C)	150
Flammability (hazard)	High
Corrosivity (hazard)	Low
Environmental Data	
Biodegradability (%)	100
Half-life (days)	10
Partition coefficient (log K _{ow})	1.5
Water solubility (mg/L)	1000
Soil adsorption (K _d)	1.0
Safety Data	
LD ₅₀ (mg/kg)	500
LC ₅₀ (mg/L)	100
TLV (mg/m ³)	10
PEL (mg/m ³)	5
IDLH (mg/m ³)	100
References	
1. Smith, J. (1980)	
2. Jones, K. (1985)	
3. Brown, L. (1990)	
4. White, M. (1995)	
5. Black, N. (2000)	
6. Green, P. (2005)	
7. Blue, Q. (2010)	
8. Red, R. (2015)	
9. Purple, S. (2020)	
10. Yellow, T. (2025)	

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1997年12月 1998年1月 1998年2月 1998年3月 1998年4月 1998年5月 1998年6月 1998年7月 1998年8月 1998年9月 1998年10月 1998年11月 1998年12月 1999年1月 1999年2月 1999年3月 1999年4月 1999年5月 1999年6月 1999年7月 1999年8月 1999年9月 1999年10月 1999年11月 1999年12月 2000年1月 2000年2月 2000年3月 2000年4月 2000年5月 2000年6月 2000年7月 2000年8月 2000年9月 2000年10月 2000年11月 2000年12月 2001年1月 2001年2月 2001年3月 2001年4月 2001年5月 2001年6月 2001年7月 2001年8月 2001年9月 2001年10月 2001年11月 2001年12月 2002年1月 2002年2月 2002年3月 2002年4月 2002年5月 2002年6月 2002年7月 2002年8月 2002年9月 2002年10月 2002年11月 2002年12月 2003年1月 2003年2月 2003年3月 2003年4月 2003年5月 2003年6月 2003年7月 2003年8月 2003年9月 2003年10月 2003年11月 2003年12月 2004年1月 2004年2月 2004年3月 2004年4月 2004年5月 2004年6月 2004年7月 2004年8月 2004年9月 2004年10月 2004年11月 2004年12月 2005年1月 2005年2月 2005年3月 2005年4月 2005年5月 2005年6月 2005年7月 2005年8月 2005年9月 2005年10月 2005年11月 2005年12月 2006年1月 2006年2月 2006年3月 2006年4月 2006年5月 2006年6月 2006年7月 2006年8月 2006年9月 2006年10月 2006年11月 2006年12月 2007年1月 2007年2月 2007年3月 2007年4月 2007年5月 2007年6月 2007年7月 2007年8月 2007年9月 2007年10月 2007年11月 2007年12月 2008年1月 2008年2月 2008年3月 2008年4月 2008年5月 2008年6月 2008年7月 2008年8月 2008年9月 2008年10月 2008年11月 2008年12月 2009年1月 2009年2月 2009年3月 2009年4月 2009年5月 2009年6月 2009年7月 2009年8月 2009年9月 2009年10月 2009年11月 2009年12月 2010年1月 2010年2月 2010年3月 2010年4月 2010年5月 2010年6月 2010年7月 2010年8月 2010年9月 2010年10月 2010年11月 2010年12月 2011年1月 2011年2月 2011年3月 2011年4月 2011年5月 2011年6月 2011年7月 2011年8月 2011年9月 2011年10月 2011年11月 2011年12月 2012年1月 2012年2月 2012年3月 2012年4月 2012年5月 2012年6月 2012年7月 2012年8月 2012年9月 2012年10月 2012年11月 2012年12月 2013年1月 2013年2月 2013年3月 2013年4月 2013年5月 2013年6月 2013年7月 2013年8月 2013年9月 2013年10月 2013年11月 2013年12月 2014年1月 2014年2月 2014年3月 2014年4月 2014年5月 2014年6月 2014年7月 2014年8月 2014年9月 2014年10月 2014年11月 2014年12月 2015年1月 2015年2月 2015年3月 2015年4月 2015年5月 2015年6月 2015年7月 2015年8月 2015年9月 2015年10月 2015年11月 2015年12月 2016年1月 2016年2月 2016年3月 2016年4月 2016年5月 2016年6月 2016年7月 2016年8月 2016年9月 2016年10月 2016年11月 2016年12月 2017年1月 2017年2月 2017年3月 2017年4月 2017年5月 2017年6月 2017年7月 2017年8月 2017年9月 2017年10月 2017年11月 2017年12月 2018年1月 2018年2月 2018年3月 2018年4月 2018年5月 2018年6月 2018年7月 2018年8月 2018年9月 2018年10月 2018年11月 2018年12月 2019年1月 2019年2月 2019年3月 2019年4月 2019年5月 2019年6月 2019年7月 2019年8月 2019年9月 2019年10月 2019年11月 2019年12月 2020年1月 2020年2月 2020年3月 2020年4月 2020年5月 2020年6月 2020年7月 2020年8月 2020年9月 2020年10月 2020年11月 2020年12月 2021年1月 2021年2月 2021年3月 2021年4月 2021年5月 2021年6月 2021年7月 2021年8月 2021年9月 2021年10月 2021年11月 2021年12月 2022年1月 2022年2月 2022年3月 2022年4月 2022年5月 2022年6月 2022年7月 2022年8月 2022年9月 2022年10月 2022年11月 2022年12月 2023年1月 2023年2月 2023年3月 2023年4月 2023年5月 2023年6月 2023年7月 2023年8月 2023年9月 2023年10月 2023年11月 2023年12月 2024年1月 2024年2月 2024年3月 2024年4月 2024年5月 2024年6月 2024年7月 2024年8月 2024年9月 2024年10月 2024年11月 2024年12月 2025年1月 2025年2月 2025年3月 2025年4月 2025年5月 2025年6月 2025年7月 2025年8月 	
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HOVCO53	564632	1880	blastx.2	CDNA FLJ13381 fis, clone PLACE1001010.	sp BAB14576 BAB14576	100%	808	909
HPBDE33	853660	1884	blastx.2	hypothetical protein DKFZp564O0823.1 - human	pir T12458 T12458	97%	257	985

HPBDE33	897372	1885	blastx.2	hypothetical protein DKFZp564O0823.1 - human	pir T12458 T12458	98%	257	985
HPCAG17	757836	1887	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	64%	1306	1013
HPCAG17	863943	1888	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	68%	1173	880
HPDDQ28	566793	1891	blastx.2	PUTATIVE G PROTEIN- COUPLED RECEPTOR (CDNA FLJ10899 FIS, CLONE 1	sp O95357 O95357	100% 98%	10 231	231 440
HPDDT14	580867	1892	blastx.2	(AB055298) hypothetical protein [Macaca fascicularis]	dbj BAB21923.1	71%	193	5
HPFCP75	581083	1899	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	64% 64% 55%	682 833 22	831 949 81
HPFDB66	829318	1900	WUblastx.6 4	(AL133353) bA483F11.3 (CGI-32 protein) [Homo sapiens]	emb CAB88199.1	100%	102	920
HPFDD28	824856	1901	blastx.2	PRO1722.	sp Q9P195 Q9P195	69% 70% 66%	815 622 672	660 551 628
HPIAK27	852658	1904	blastx.2	(AP001309) gene_id:MUO10.12-unknown protein [Arabidopsis thaliana]	dbj BAB02585.1	36% 36%	718 253	1191 561
HPIAL55	847429	1905	blastx.2	CG12795 PROTEIN.	sp Q9VQQ7 Q9VQQ7	62% 28% 55% 68% 50%	82 598 455 1088 923	231 1002 568 1135 970
HPIAT18	877663	1906	blastx.2	PRO2852.	sp AAG35505 AAG35505	74% 84%	3735 3823	3571 3728
HPIAZ52	801924	1907	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	53% 51% 63% 48% 59% 44%	670 706 770 2453 905 2468	1029 915 916 2602 970 2602

HPJBA07	886191	1908	blastx.2	hypothetical protein DKFZp761D081.1 - human	pir T46904 T46904	41%	900	1034
HPJBA24	840379	1909	blastx.2	CDNA FLJ14356 fis, clone Y79AA1002103, weakly similar to 1	sp BAB14916 BAB14916	49%	21	1805
HPJBI40	588944	1910	blastx.2	CENTROMERE/KINETOCHORE PROTEIN ZW10 HOMOLOG.	sp O43264 ZW10_HUMA	48%	672	1862
HPJAB75	841653	1913	blastx.2	(AF336887) FKSG60 [Homo sapiens]	gb AAK01738.1 AF33688	49%	381	1193
HPJAN76	826185	1914	blastx.2	PUTATIVE G PROTEIN-COUPLED RECEPTOR GPR39.	sp O43194 GP39_HUMA	66%	21	146
HPJAN76	854893	1915	blastx.2	PUTATIVE G PROTEIN-COUPLED RECEPTOR GPR39.	sp O43194 GP39_HUMA	98%	336	884
HPJAU94	826719	1916	blastx.2	L1 ELEMENT L1.21 P40 PROTEIN.	sp O00371 O00371	99%	1	339
HPJAW78	812766	1917	blastx.2	GRANULE CELL ANTISERUM POSITIVE 8 (GCAP1) (FRAGMENT).	sp Q61402 Q61402	100%	328	828
HPJBS16	608307	1918	WUblastx.6 4	(AK025047) unnamed protein product [Homo sapiens]	dbj BAB15056.1	29%	245	316
HPJBU04	798101	1919	blastx.2	CDNA: FLJ21463 fis, clone	sp BAB15071 BAB15071	100%	328	828
						55%	3529	3966
						83%	3944	4159
						41%	94	267
						31%	88	267
						41%	261	73
						37%	261	103
						33%	316	86
						37%	254	81
						61%	1663	1391
						68%	866	540

HPJCP75	886192	1921	blastx.2	COL04765. CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	67% 41%	1775 832	1482 527
HPJCV35	827317	1922	blastx.2	CDC42-BINDING PROTEIN KINASE BETA.	sp Q9Y5S2 Q9Y5S2	94% 100%	2685 533	2951 610
HPJCX13	852869	1923	HMMER 2.1.1	PFAM: Reverse transcriptase (RNA-dependent DNA polymerase)	PF00078	307.8	3321	4148
			blastx.2	hypothetical protein (L1H 3' region) - human	pir B34087 B34087	96%	4105	266
HPMBT05	658715	1927	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q14287 Q14287	85% 73%	403 491	483 592
HPMDD27	830748	1932	blastx.2	(AF205218) NS1-binding protein-like protein [Homo sapiens]	gb AAG43485.1	99%	2	1417
HPMDF45	638148	1933	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	68% 55%	1697 1662	2002 1721
HPMDP57	567303	1934	blastx.2	PRO2550.	sp AAG35515 AAG35515	68% 64% 80%	1510 1286 1514	1211 1074 1455
HPMEG72	795709	1935	blastx.2	ORF2-LIKE PROTEIN (FRAGMENT).	sp O00549 O00549	66%	1844	2056
HPMFM70	756931	1936	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	75% 64%	2277 2108	2104 1953
HPMFP48	597457	1937	blastx.2	PRO1722.	sp Q9P195 Q9P195	69% 66%	1130 987	975 853
HPMFW01	844865	1938	blastx.2	PUTATIVE LIPID KINASE (CDNA FLJ10842 FIS, CLONE NT2RP4001343).	sp Q9NP48 Q9NP48	97%	973	1113
HPMGW43	830452	1940	blastx.2	vesicle-associated membrane protein-associated protein B - human	pir JG0186 JG0186	96% 100%	59 31	487 72
HPMKB09	900362	1942	blastx.2	SRC HOMOLOG 3 DOMAIN-CONTAINING PROTEIN HIP-55 (DREBRIN F).	sp Q9UJU6 Q9UJU6	100%	117	1406

HPTVH59	695753	1975	blastx.2	CG15021 PROTEIN.	sp Q9VZC2 Q9VZC2	34%	22	447
HPTV196	636064	1977	blastx.2	CDNA: FLJ22861 fis, clone KAT01850.	sp BAB15494 BAB15494	100%	42	416
HPVAA15	783074	1978	blastx.2	ATP-BINDING CASSETTE PROTEIN (FRAGMENT).	sp Q9JL38 Q9JL38	57%	487	849
HPWAS27	536008	1984	blastx.2	HSPC093 (FRAGMENT).	sp Q9P0E3 Q9P0E3	59%	418	483
HPWAV82	830084	1986	blastx.2	PRO2550.	sp AAG35515 AAG35515	65%	512	625
HPWBA36	840380	1987	blastx.2	PRO2550.	sp AAG35515 AAG35515	40%	1042	1146
HPWTF23	843700	1988	HMMER 2.1.1	PFAM: TSC-22/dip/bun family	PF01166	69%	104	229
HPWTF23	844775	1989	blastx.2	TSC-22-LIKE PROTEIN.	sp Q9UBN5 Q9UBN5	78%	3	101
HPWTF53	844737	1990	HMMER 2.1.1	PFAM: TSC-22/dip/bun family	PF01166	60%	1401	1219
HRAAC36	798104	1994	blastx.2	TSC-22-LIKE PROTEIN.	sp Q9UBN5 Q9UBN5	54%	1183	1073
HRAAF59	847086	1995	blastx.2	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN AUXILIARY FACTOR 35 1	sp Q15696 U2R2_HUMAN	38%	1403	1152
HRAAG89	621271	1996	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N083 Q9N083	146.4	442	621
HRAAZ12	834637	1998	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	100%	271	672
HRABP28	823344	2000	blastx.2	Hypothetical 45.1 kDa protein. Neuropilin-2a(17).	sp BAB12134 BAB12134	100%	24	422
HRABU56	621381	2001	blastx.2	RNA-BINDING PROTEIN.	sp AAG41897 AAG41897	76%	821	669
HRABZ80	562230	2002	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	sp O75876 O75876	56%	670	548
					dbj BAB21918.1	56%	1519	1247
						93%	2	187
						100%	901	1356
						96%	579	878
						80%	385	579
						100%	1361	1435
						50%	863	946
						40%	1302	1111
						55%	1136	1035
						90%	105	320
						45%	1302	1000

HRACB01	637647	2003	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	52%	1344	1135
HRACI39	840461	2004	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	52%	1423	1349
HRADU15	801926	2005	blastx.2	CDNA FLJ14310 fis, clone PLACE3000271.	sp BAB14900 BAB14900	62%	1347	1156
HRDAH04	651356	2006	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	58%	997	881
HRDBA20	637709	2007	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	74%	814	638
HRDBD32	637710	2008	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	75%	645	586
HRDBL01	631169	2009	blastx.2	POT. ORF VI (FRAGMENT).	sp Q9P195 Q9P195	56%	1514	1329
HRDDM85	799542	2010	blastx.2	POT. ORF VI (FRAGMENT).	sp Q9P195 Q9P195	63%	1336	1229
HRDEJ86	695755	2012	blastx.2	CDNA FLJ20378 FIS, CLONE KAI0536.	sp Q9NX85 Q9NX85	78%	1290	1057
HRDFE30	750872	2014	blastx.2	(AL121673) bA305P22.1 (novel protein) [Homo sapiens]	emb CAC08553.1	46%	1049	972
HRDFT83	606799	2015	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	78%	1290	1057
HRGCA01	589970	2016	blastx.2	PRO2550.	sp AAG35515 AAG35515	46%	1049	972
						65%	934	755
						62%	538	1077
						57%	575	730
						60%	1034	1096
						76%	839	627
						95%	141	548
						100%	533	823
						63%	948	664
						70%	942	769
						61%	932	768
						41%	629	294
						84%	584	528
						68%	779	714
						41%	947	768
						56%	709	614
						41%	778	641
						63%	442	377
						60%	439	380
						58%	387	337
						47%	948	892
						37%	522	451
						77%	700	674
						60%	435	391
						56%	1318	989

HRGCA06	866189	2017	HMME 2.1.1 blastx.2	PFAM: Ribosomal protein S16	PF00886	69.1	143	325
				MITOCHONDRIAL 28S RIBOSOMAL PROTEIN S16 (MRP-S16).	sp Q9Y3D3 Q9Y3D3	99%	74	484
HRGSE38	898233	2018	WUblastx.6 4	(AB029042) ATPase inhibitor precursor [Homo sapiens]	dbj BAA88422.1	83%	77	367
HRLME03	610614	2020	blastx.2	PRO0956.	sp AAG35480 AAG35480	70% 39%	117 220	46 122
HROAP64	835467	2022	blastx.2	(AY012159) virion-associated nuclear-shuttling protein [Mus musculus]	gb AAG42155.1	96%	33	119
HROAS35	827304	2023	blastx.2	cytochrome-c oxidase (EC 1.9.3.1) chain III - human 1	pir A00482 OTHU3	91%	483	881
HROBJ10	836368	2025	blastx.2	RETINOIC ACID-INDUCED PROTEIN 2.	sp Q9Y3P3 RAI2_HUMA N	89% 96%	1853 1054	1011 671
HRTAE88	822964	2029	blastx.2	MARINER TRANSPOSASE.	sp Q13579 Q13579	76%	2579	2845
HRTAP63	780698	2030	blastx.2	CGI-127 PROTEIN.	sp Q9Y3C9 Q9Y3C9	100%	498	860
HSAAN03	599334	2032	blastx.2	PRO2550.	sp AAG35515 AAG35515	70% 70% 72%	1130 924 676	921 832 602
HSAAS05	703244	2033	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N083 Q9N083	55% 54%	1419 1487	1216 1416
HSAAW13	821334	2034	blastx.2	3',5'-cyclic-nucleotide phosphodiesterase (EC 3.1.4.17) 8A, 1	pir JW0088 JW0088	99%	1	1113
HSATA61	801927	2038	blastx.2	CG3781 PROTEIN.	sp Q9W422 Q9W422	49%	18	206
HSATG66	824903	2039	blastx.2	EXP35.	sp Q9NR56 Q9NR56	93% 41%	19 13	615 324
HSATI91	838829	2040	blastx.2	probable pol polyprotein- related protein 4 - rat	pir S21348 S21348	36% 46% 38% 69%	345 509 730 83	22 369 518 45
HSATR50	826398	2041	blastx.2	U6 SNRNA-ASSOCIATED SM-LIKE PROTEIN LSM8.	sp O95777 LSM8_HUMA N	100%	397	483
HSATT82	566784	2042	blastx.2	PRO1722.	sp Q9P195 Q9P195	67%	957	769

HSATW19	637658	2043	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	66%	1006	962
HSATW67	604938	2044	blastx.2	pro-pol-dUTPase polypeptide - murine endogenous retrovirus ERV-1 (fragment)	pir T29097 T29097	82% 63%	436 653	119 441
HSATZ02	490895	2045	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	63% 87%	1023 1025	730 1002
HSAUB89	600369	2047	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	60% 76%	348 560	551 634
HSAUI53	866191	2048	blastx.2	retrovirus-related reverse transcriptase pseudogene - human	pir A25313 GNHUL1	36% 42% 36% 31% 69%	960 356 757 1037 106	412 9 362 675 68
HSAUV74	866193	2049	blastx.2	PRO1902 PROTEIN.	sp Q9UHT1 Q9UHT1	62%	827	693
HSAUX39	823161	2050	blastx.2	ZINC FINGER PROTEIN 62 (FRAGMENT).	sp Q62510 Q62510	56% 64% 63% 52% 50% 53% 59% 45% 44% 45% 50% 43% 41% 33%	1223 1367 1388 1280 1244 1274 1412 1235 1172 1244 1343 1199 1319 960	1987 1981 1981 1987 1987 1981 1987 1978 1981 1981 1981 1726 1645 1040
HSAVE52	600370	2052	blastx.2	PRO2852.	sp AAG35505 AAG35505	71% 55%	1366 1419	1175 1366
HSAVH32	603367	2053	blastx.2	CDNA FLJ20378 FIS, CLONE KAI0536.	sp Q9NX85 Q9NX85	64% 72% 35%	847 678 851	659 547 684
HSAVO11	566467	2055	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	60% 63%	1618 1618	1301 1439

HSVO17	738007	2056	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	59%	1599	1438
HSVQ13	606818	2057	blastx.2	Hypothetical 12.9 kDa protein.	sp BAB12124 BAB12124	72%	1349	1194
HSVR85	786185	2058	blastx.2	PRO2870.	sp AAG35506 AAG35506	68%	1379	1299
HSVY92	606808	2059	blastx.2	CDNA: FLJ23054 fis, clone LNG03193.	sp BAB15533 BAB15533	100%	1449	1384
HSVZ05	690151	2060	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	54%	1257	1192
HSWB58	738018	2061	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	41%	1448	1341
HSAWH36	581087	2062	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	47%	1315	1265
HSWM20	606840	2063	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	73%	1440	1135
HSWM74	866195	2064	blastx.2	(AB030711) MAP1 light chain 3 related protein [Homo sapiens]	dbj BAB21549.1	72%	406	471
HSAXW70	872498	2065	blastx.2	L1 ELEMENT L1.20 P40 PROTEIN.	sp O00369 O00369	68%	494	541
HSAXI10	598726	2067	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	100%	3791	3546
HSAXL49	606826	2068	blastx.2	PRO2550.	sp AAG35515 AAG35515	100%	19	123
HSAXL82	566801	2069	blastx.2	signal peptidase 25k chain - dog	pir A55012 A55012	75%	890	717
						63%	742	572
						96%	533	625

HSAXS06	668260	2072	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	66% 75%	1121 955	954 824
HSAYL24	608642	2074	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	75%	1061	930
HSBAI47	842694	2078	blastx.2	Sphingosine-1-phosphatase.	sp CAC17772 CAC17772	100%	1	237
HSDDC55	663277	2080	blastx.2	CDNA FLJ20378 FIS, CLONE KAI0536.	sp Q9NX85 Q9NX85	58% 82%	490 743	741 793
HSDEA26	822812	2081	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	68%	1128	1421
HSDGH56	853379	2087	blastx.2	HYPOTHETICAL 15.4 KDA PROTEIN.	sp Q99770 Q99770	77% 64%	1100 873	876 823
HSDGM01	608310	2088	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	66% 65%	722 852	552 721
HSDGM42	870143	2089	blastx.2	EG:165H7.3 PROTEIN.	sp O46055 O46055	25% 23%	363 363	2585 2492
HSDGM42	824916	2090	blastx.2	EG:165H7.3 PROTEIN.	sp O46055 O46055	24% 23%	362 362	2584 2491
HSDGM42	852473	2091	blastx.2	EG:165H7.3 PROTEIN.	sp O46055 O46055	28%	1460	660
HSDGM42	861925	2092	blastx.2	EG:165H7.3 PROTEIN.	sp O46055 O46055	25% 23%	423 423	2645 2552
HSDGM42	865828	2093	blastx.2	EG:165H7.3 PROTEIN.	sp O46055 O46055	25% 23%	423 423	2645 2552
HSDGM42	886748	2094	blastx.2	EG:165H7.3 PROTEIN.	sp O46055 O46055	25% 23%	423 423	2645 2552
HSDHD05	570824	2095	blastx.2	(AP002460) gene_id:F1D9.26~unknown protein [Arabidopsis thaliana]	dbj BAA97098.1	94% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%	714 720 720 720 720 720 720 720 720 720 720 720	815 815 815 815 815 815 815 815 815 815 815 815

TABLE 1	
Mean values of the 1000 best individuals in the population	
Iteration	1000
1000	1000
2000	2000
3000	3000
4000	4000
5000	5000
6000	6000
7000	7000
8000	8000
9000	9000
10000	10000
11000	11000
12000	12000
13000	13000
14000	14000
15000	15000
16000	16000
17000	17000
18000	18000
19000	19000
20000	20000
21000	21000
22000	22000
23000	23000
24000	24000
25000	25000
26000	26000
27000	27000
28000	28000
29000	29000
30000	30000
31000	31000
32000	32000
33000	33000
34000	34000
35000	35000
36000	36000
37000	37000
38000	38000
39000	39000
40000	40000
41000	41000
42000	42000
43000	43000
44000	44000
45000	45000
46000	46000
47000	47000
48000	48000
49000	49000
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69000	69000
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71000	71000
72000	72000
73000	73000
74000	74000
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91000	91000
92000	92000
93000	93000
94000	94000
95000	95000
96000	96000
97000	97000
98000	98000
99000	99000
100000	100000

[illegible]

1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217		2217-2218		2218-2219		2219-2220		2220-2221		2221-2222		2222-2223		2223-2224	
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[illegible]

[illegible][illegible]

[illegible][illegible]

Table 1. (continued)	
1990-1991	1992-1993
1994-1995	1996-1997
1998-1999	2000-2001
2002-2003	2004-2005
2006-2007	2008-2009
2010-2011	2012-2013
2014-2015	2016-2017
2018-2019	2020-2021
2022-2023	2024-2025
2026-2027	2028-2029
2030-2031	2032-2033
2034-2035	2036-2037
2038-2039	2040-2041
2042-2043	2044-2045
2046-2047	2048-2049
2050-2051	2052-2053
2054-2055	2056-2057
2058-2059	2060-2061
2062-2063	2064-2065
2066-2067	2068-2069
2070-2071	2072-2073
2074-2075	2076-2077
2078-2079	2080-2081
2082-2083	2084-2085
2086-2087	2088-2089
2090-2091	2092-2093
2094-2095	2096-2097
2098-2099	2100-2101
2102-2103	2104-2105
2106-2107	2108-2109
2110-2111	2112-2113
2114-2115	2116-2117
2118-2119	2120-2121
2122-2123	2124-2125
2126-2127	2128-2129
2130-2131	2132-2133
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2142-2143	2144-2145
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2150-2151	2152-2153
2154-2155	2156-2157
2158-2159	2160-2161
2162-2163	2164-2165
2166-2167	2168-2169
2170-2171	2172-2173
2174-2175	2176-2177
2178-2179	2180-2181
2182-2183	2184-2185
2186-2187	2188-2189
2190-2191	2192-2193
2194-2195	2196-2197
2198-2199	2200-2201
2202-2203	2204-2205
2206-2207	2208-2209
2210-2211	2212-2213
2214-2215	2216-2217
2218-2219	2220-2221
2222-2223	2224-2225
2226-2227	2228-2229
2230-2231	2232-2233
2234-2235	2236-2237
2238-2239	2240-2241
2242-2243	2244-2245
2246-2247	2248-2249
2250-2251	2252-2253
2254-2255	2256-2257
2258-2259	2260-2261
2262-2263	2264-2265
2266-2267	2268-2269
2270-2271	2272-2273
2274-2275	2276-2277
2278-2279	2280-2281
2282-2283	2284-2285
2286-2287	2288-2289
2290-2291	2292-2293
2294-2295	2296-2297
2298-2299	2300-2301
2302-2303	2304-2305
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2310-2311	2312-2313
2314-2315	2316-2317
2318-2319	2320-2321
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2350-2351	2352-2353
2354-2355	2356-2357
2358-2359	2360-2361
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2370-2371	2372-2373
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2386-2387	2388-2389
2390-2391	2392-2393
2394-2395	2396-2397
2398-2399	2400-2401
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2422-2423	2424-2425
2426-2427	2428-

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1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217		2217-2218		2218-2219		2219-2220		2220-2221		2221-2222		2222-2223		2223-2224	
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Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
Male	55.2 (10.5)
Female	56.8 (11.2)
Marital status	
Married	78.5%
Single	12.5%
Divorced	5.5%
Widowed	4.5%
Education level	
High school or above	65.5%
Below high school	34.5%
Occupation	
Professional	25.5%
Managerial	15.5%
Technical	10.5%
Service	20.5%
Unemployed	27.5%
Income (US\$)	
< 1000	15.5%
1000-2000	35.5%
2000-3000	25.5%
> 3000	23.5%
Health insurance	
Yes	85.5%
No	14.5%
Smoking status	
Smoker	18.5%
Non-smoker	81.5%
Alcohol consumption	
Yes	12.5%
No	87.5%
Comorbidities	
Hypertension	35.5%
Diabetes	15.5%
Cholesterol	25.5%
Heart disease	10.5%
Stroke	5.5%
Other	5.5%

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HSDJC96	753284	2099	blastx.2	HYPOTHETICAL 5.6 KDA PROTEIN (FRAGMENT).	sp Q9Y6A3 Q9Y6A3	100%	1946	1800
HSDJF04	695756	2101	blastx.2	UNKNOWN.	sp O95890 O95890	95%	2	421
HSDJG47	847325	2102	blastx.2	CDNA: FLJ21857 fis, clone HEP02294.	sp BAB15156 BAB15156	98%	59	1180
HSDJH72	805971	2103	blastx.2	HYPOTHETICAL 15.4 KDA PROTEIN.	sp Q99770 Q99770	68%	1739	1485
HSDJL07	895387	2104	blastx.2	CDNA: FLJ23147 fis, clone LNG09295.	sp BAB15557 BAB15557	66%	1500	1447
HSDJR49	741079	2105	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	64%	764	898
						82%	1481	1290
						67%	569	742
						70%	893	1015
						57%	753	884
						61%	982	1122
						62%	1124	1210
						72%	991	1044
						40%	744	884
HSDJV24	806246	2106	blastx.2	DJ108K11.3 (SIMILAR TO YEAST SUPPRESSOR PROTEIN SRP40).	sp O95909 O95909	75%	647	1465
HSDJV40	623716	2107	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	48%	1589	1038
						62%	1240	977
						40%	1519	1094
						41%	1279	977
						45%	1555	1409
						40%	1368	1258
						37%	1049	978
						34%	990	877
HSDKA64	600372	2108	blastx.2	CDNA FLJ20378 FIS, CLONE KAI0536.	sp Q9NX85 Q9NX85	68%	1581	1342
HSDKF96	839730	2110	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N083 Q9N083	71%	1340	1278
HSDZO08	827460	2111	blastx.2	I-1 RECEPTOR CANDIDATE PROTEIN.	sp Q9UES6 Q9UES6	63%	1672	1412
						87%	182	1648
						78%	1	558
						27%	1	309
HSEBB18	877813	2113	blastx.2	CDNA FLJ20005 FIS, CLONE ADKA02526.	sp Q9NXX4 Q9NXX4	99%	476	898
HSFAM19	691371	2114	blastx.2	VOLTAGE-GATED	sp O95259 O95259		76	510
						98%		

HSAG54	834781	2115	blastx.2	POTASSIUM CHANNEL EAGB. (AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	76% 61%	971 775	780 659
HSAS72	835991	2116	HMMER 2.1.1 blastx.2	PFAM: G-protein gamma subunit. GUANINE NUCLEOTIDE- BINDING PROTEIN G(I)/G(S)/G(O) 1	PF00631 sp Q9UBI6 GBGC_HUM AN	139.1 100%	225 210	422 422
HSAX04	812178	2117	blastx.2	peptidylprolyl isomerase (EC 5.2.1.8) A - human	pir S66681 S66681	100%	14	916
HSBHT15	581088	2118	blastx.2	ZINC FINGER PROTEIN SNAIL (SNAIL PROTEIN HOMOLOG) (SNA PROTEIN).	sp O95863 SNAIL_HUMA N	90% 100% 79%	10 570 458	570 686 529
HSCE85	855969	2119	blastx.2	DJ167A19.4 (NOVEL PROTEIN).	sp Q9Y546 Q9Y546	100%	202	1224
HSIAC81	783076	2120	blastx.2	(AB017913) cytosolic beta- glucosidase-like protein-1 [Homo sapiens]	dbj BAB18741.1	99%	8	1261
HSIAP01	897538	2122	blastx.2	CDNA FLJ20124 FIS, CLONE COL06056.	sp Q9NXP8 Q9NXP8	96% 92% 71% 28%	71 590 607 218	613 673 732 535
HSIDZ25	658721	2125	blastx.2	Hypothetical 15.8 kDa protein.	sp AAG17270 AAG17270	80% 37%	1689 1366	1597 1280
HSIEB64	651359	2126	blastx.2	PRO1546.	sp Q9PIJ1 Q9PIJ1	53% 60% 70%	1741 1860 1718	1875 1949 1747
HSIFO61	845026	2128	blastx.2	APOPTOSIS-INDUCING FACTOR AIF.	sp O95831 O95831	100%	95	1933
HSIFO61	852715	2129	blastx.2	APOPTOSIS-INDUCING FACTOR AIF.	sp O95831 O95831	100%	183	2021
HSIGC63	877486	2130	blastx.2	CDNA FLJ20378 FIS, CLONE KAI0536.	sp Q9NX85 Q9NX85	59%	1746	1354
HSIGM95	840382	2131	blastx.2	PRO2852.	sp AAG35505 AAG35505	77%	942	823

HSJAN83	825132	2133	blastx.2	CDNA FLJ11786 fis, clone HEMBA1006036.	sp BAB13911 BAB13911	80% 75%	818 754	759 707
HSJAQ10	853383	2134	blastx.2	PEROXISOMAL MEMBRANE PROTEIN PMP34 (34 KDA) PEROXISOMAL 1	sp O43808 PM34_HUMA N	100%	11	187
HSJAR59	846364	2135	blastx.2	translation elongation factor eEF-1 alpha-1 chain - human	pir B24977 EFHU1	100%	16	228
HSJAU93	702019	2136	blastx.2	CDNA FLJ10709 FIS, CLONE NT2RP3000869.	sp Q9NVI7 Q9NVI7	84%	123	551
HSKHV81	841590	2146	blastx.2	PRO0117 PROTEIN.	sp Q9UI85 Q9UI85	63%	953	798
HSKYR49	806548	2148	blastx.2	(AF328140) cdk3-binding protein ik3-1 [Mus musculus]	gb AAG42916.1 AF32814 0_1	79%	10	450
HSKYU81	899335	2149	blastx.2	SH3 DOMAIN-BINDING PROTEIN SNP70.	sp Q9Y2W2 Q9Y2W2	100% 99% 44% 55% 52% 41% 44% 50% 43% 44% 25% 22% 19% 32%	536 6 629 545 545 512 797 797 545 575 132 240 396 862	1276 533 1237 778 766 781 973 985 673 661 299 482 548 945
HSKYY92	853384	2150	blastx.2	UBIQUITOUS TPR-MOTIF PROTEIN Y ISOFORM (FRAGMENT).	sp Q9NR08 Q9NR08	60% 64%	1268 1212	1456 1262
HSLAB11	823825	2151	blastx.2	PRO2550.	sp AAG35515 AAG35515	76%	3376	3074
HSLAS96	740764	2152	blastx.2	PRO2550.	sp AAG35515 AAG35515	69%	1408	1175

HSLAW59	637669	2153	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	64%	1173	1075
HSLCH54	562018	2154	blastx.2	PLEXIN A3 PRECURSOR (PLEXIN 4) (TRANSMEMBRANE PROTEIN 1	sp P51805 PLX4_HUMA N	100% 97% 31%	9 445 278	446 570 400
HSLCH57	899415	2155	blastx.2	SREBP cleavage activating protein - Chinese hamster	pir T18526 T18526	95% 39% 43%	1408 658 265	2205 774 459
HSLCI86	737626	2156	blastx.2	estrogen sulfotransferase (EC 2.8.2.-) - human	pir JC2229 JC2229	84% 33%	602 493	1090 555
HSLCS31	604046	2157	HMMER 2.1.1	PFAM: PPR repeat	PF01535	22.6	493	597
			WUblastx.6 4	(AK022660) unnamed protein product [Homo sapiens]	dbj BAB14162.1	98% 100%	454 826	828 1047
HSLCS34	751324	2158	blastx.2	CDNA FLJ10785 FIS, CLONE NT2RP4000457, WEAKLY SIMILAR TO 1	sp Q9NVE5 Q9NVE5	92% 70%	375 40	1013 582
HSLCV16	772948	2159	blastx.2	(AL136768) hypothetical protein [Homo sapiens]	emb CAB66702.1	99% 87%	1 1537	552 1698
HSLDW54	853386	2160	blastx.2	probable pol polyprotein-related protein 4 - rat	pir S21348 S21348	34% 44% 52% 42%	1115 625 732 895	738 452 631 833
HSEEC18	722249	2161	blastx.2	CDNA FLJ12116 fis, clone MAMMA1000069.	sp BAB13977 BAB13977	99%	9	1319
HSLEG59	637671	2162	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q14287 Q14287	50% 44% 20%	1150 968 745	941 807 614
HSLFR59	853388	2163	blastx.2	hypothetical protein DKFZp434L0130.1 - human	pir T46471 T46471	99% 86%	987 877	1481 987
HSLGD91	883491	2164	blastx.2	CDNA FLJ20378 FIS, CLONE KAlA0536.	sp Q9NX85 Q9NX85	72% 75%	816 752	926 817
HSNAQ52	600402	2172	blastx.2	(AB055263) hypothetical protein [Macaca fascicularis]	dbj BAB21887.1	81% 85%	142 197	95 156

HSNAW06	580248	2174	blastx.2	Hypothetical 9.4 kDa protein.	sp BAB12379 BAB12379	61%	219	413
HSNBQ36	784994	2178	blastx.2	CDNA FLJ11128 FIS, CLONE PLACE1006236.	sp Q9NUU5 Q9NUU5	95%	358	756
HSNBS39	617125	2179	blastx.2	hypothetical protein 3 - human	pir E41925 E41925	33% 52% 72%	275 82 295	93 26 263
HSOAT44	847357	2181	blastx.2	CDNA: FLJ20871 fis, clone ADKA02569.	sp BAB14920 BAB14920	100%	10	195
HSOBH11	794000	2183	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	52% 51% 54%	814 578 645	641 498 580
HSOBW65	778388	2185	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q14288 Q14288	67% 64%	636 160	142 110
HSPAA89	825099	2186	blastx.2	proline-rich protein MP2 - mouse (fragment)	pir A24264 A24264	39% 39% 42%	1144 1144 210	641 641 148
HSQBL20	780518	2196	blastx.2	(AF315506) ARG134 protein [Homo sapiens]	gb AAK01365.1	100%	183	836
HSQCY74	886110	2198	blastx.2	DJ383J4.4 (A novel protein similar to Aspartyl-TRNA synthetase) (Fragment).	sp CAC10472 CAC10472	99%	10	1455
HSRAA81	695759	2205	blastx.2	hypothetical protein DKFZp547I194.1 - human (fragment)	pir T51882 T51882	90% 100%	9 727	749 1086
HSRAO56	719816	2206	blastx.2	Hypothetical 14.2 kDa protein.	sp AAG17216 AAG17216	72% 68%	1592 1419	1416 1324
HSRAV28	581102	2207	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	78%	820	524
HSRDW57	562019	2209	blastx.2	(AX068262) unnamed protein product [Homo sapiens]	emb CAC27247.1	100% 92% 83%	8 262 485	277 495 520
HSREC72	601368	2210	blastx.2	PRO2550.	sp AAG35515 AAG35515	69% 77%	783 877	625 785
HSREG42	839481	2211	blastx.2	PXN PROTEIN.	sp Q9VZZ4 Q9VZZ4	48%	6	1484
HSRFD18	840771	2212	blastx.2	CDNA FLJ13033 fis, clone NT2RP3001126.	sp BAB14402 BAB14402	89%	413	559

HSRGZ11	801929	2213	blastx.2	(AF308301) serologically defined breast cancer antigen NY-BR-87 [Homo sapiens]	gb AAG48268.1 AF308301_1	90%	234	395
HSRHB59	840384	2214	blastx.2	CDNA FLJ20625 FIS, CLONE KAT04008.	sp Q9NWT0 Q9NWT0	100% 100%	123 8	308 121
HSSCC66	559402	2216	blastx.2	PVA1 GENE.	sp Q26195 Q26195	54% 57%	345 615	614 671
HSSSEL28	838618	2221	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	63%	731	1042
HSSFP88	658726	2222	HMMER 2.1.1	PFAM: Zinc finger, C3HC4 type (RING finger)	PF00097	36.1	828	953
			blastx.2	CDNA: FLJ21676 fis, clone COL09164.	sp BAB15113 BAB15113	100%	141	1190
HSSGS62	741162	2223	blastx.2	Hypothetical 12.9 kDa protein.	sp BAB12124 BAB12124	60% 60%	899 200	762 141
HSSJA23	847089	2224	blastx.2	(AC023912) acetyl-coA dehydrogenase, putative [Arabidopsis thaliana]	gb AAF63817.1	63% 68%	272 1382	682 1552
HSSJF26	567431	2225	blastx.2	Hypothetical 14.2 kDa protein.	sp AAG17216 AAG17216	60% 76%	401 600	580 689
HSSJM47	796096	2227	blastx.2	STROMAL ANTIGEN 3, (STAG3).	sp Q9UJ98 Q9UJ98	96% 75% 83%	899 527 129	994 637 221
HSSJW30	850566	2229	blastx.2	ANON-34EA PROTEIN.	sp Q9V414 Q9V414	29% 44%	263 136	694 243
HSSMY35	740765	2231	blastx.2	HYPOTHETICAL 20.2 KDA PROTEIN (FRAGMENT).	sp Q9NQA3 Q9NQA3	94%	202	519
HSTAL93	841863	2232	blastx.2	low density lipoprotein receptor related protein - human	pir JE0372 JE0372	98% 35% 35% 35%	287 284 299 287	799 787 787 637
HSUAF06	863206	2234	blastx.2	pol polyprotein - Cas-Br-E murine leukemia virus (fragment)	pir A26103 A26103	47% 50%	630 1194	944 1307
HSUBX67	751266	2235	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N083 Q9N083	57% 61%	796 624	608 499

HSVAC05	836051	2237	blastx.2	CDNA: FLJ22294 fis, clone HRC04426.	sp BAB15291 BAB15291	64%	688	539
HSVBA83	812059	2242	blastx.2	ARG/ABL-INTERACTING PROTEIN ARGBP2B (FRAGMENT).	sp O60593 O60593	98%	313	516
HSVBY62	637113	2245	blastx.2	HSPC005 PROTEIN (C11ORF10).	sp Q9Y2Q7 Q9Y2Q7	100%	35	271
HSWAZ17	637682	2248	blastx.2	(AX060313) unnamed protein product [Homo sapiens]	emb CAC24876.1	56%	490	732
HSXA144	590743	2250	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	68%	1037	828
HSXAS59	838072	2252	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	54%	1526	1305
HSXAY60	737753	2254	blastx.2	PRO1847.	sp Q9P191 Q9P191	81%	1685	1605
HSXBB78	600373	2255	blastx.2	CDNA FLJ11556 fis, clone HEMBA1003079.	sp BAB13856 BAB13856	45%	1764	1699
HSXCA83	830046	2256	blastx.2	TANK BINDING KINASE TBK1 (NF-KB-ACTIVATING KINASE NAK).	sp Q9UHD2 Q9UHD2	41%	802	632
HSXCX20	658728	2257	blastx.2	(AF295367) G-protein coupled receptor GPR91 [Mus 1]	gb AAK01867.1 AF295367_1	58%	644	579
HSXFG21	805972	2258	blastx.2	EG:114D9.2 PROTEIN.	sp Q9W5A4 Q9W5A4	94%	109	1197
HSXFH82	699863	2259	blastx.2	HYPOTHETICAL 16.3 KDA PROTEIN.	sp Q9MZZ7 Q9MZZ7	98%	1215	1382
HSYBR79	873848	2261	blastx.2	vesicle-associated membrane protein-associated protein B - human	pir JG0186 JG0186	39%	1121	1219
HSYBV44	753253	2262	blastx.2	H+-transporting ATP synthase (EC 3.6.1.34) protein 6 - human mitochondrion	pir A01049 PWHU6	68%	61	942
HSYBZ94	799543	2263	blastx.2	RETINAL DEGENERATION B PROTEIN (PROBABLE CALCIUM TRANSPORTER 1	sp O00562 O00562	71%	891	1007
						45%	298	792
						73%	1146	1598
						36%	1117	1611
						100%	193	921
						94%	84	761
						81%	21	2174
						98%	2388	2924
						98%	2168	2392
						79%	1670	1813
						23%	21	455

HT3AB13	841680	2264	blastx.2	LONG FORM TRANSCRIPTION FACTOR C-MAF.	sp O75444 O75444	36% 33% 36% 34%	1153 1313 2301 1895	1275 1399 2357 1999
HT4SB02	837688	2265	HMMER 2.1.1 blastx.2	PFAM: emp24/gp25L/p24 family protein trafficking protein tmp21-1 - human TIC.	PF01105	231.4	78	521
HT4SB81	756723	2267	blastx.2	TIC.	sp O95621 O95621	83% 97% 95% 41%	185 562 3 19	631 789 194 54
HT4SB81	844512	2268	blastx.2	TIC.	sp O95621 O95621	98% 95% 57% 41%	185 3 872 19	790 194 913 54
HT4SB81	858154	2269	blastx.2	TIC.	sp O95621 O95621	97% 95% 57% 41%	185 3 872 19	790 194 913 54
HTABF81	610040	2271	blastx.2	NON-KINASE CDC42 EFFECTOR PROTEIN SPEC2.	sp Q9NRR3 Q9NRR3	100%	48	299
HTACX63	602694	2272	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	56% 78% 65%	1082 825 919	921 784 860
HTADC63	842131	2273	blastx.2	(AL136693) hypothetical protein [Homo sapiens]	emb CAB66628.1	47% 44%	141 560	557 790
HTADO61	695760	2274	blastx.2	hypothetical protein DKFZp434C1415.1 - human	pir T42648 T42648	100%	9	95
HTAEC59	846728	2276	blastx.2	ubiquitin-conjugating enzyme E2.17kB - rat	pir S53358 S53358	100% 100%	156 409	383 591

HTAED89	801931	2277	HMMER 2.1.1	PFAM: 7 transmembrane receptor (metabotropic glutamate family)	PF00003	78.6	1240	1578
			blastx.2	CALCIUM SENSING RECEPTOR, RELATED SEQUENCE 3 (CALCIUM- SENSING 1)	sp O35364 O35364	51% 50% 48% 42%	1216 899 1590 858	1611 1204 1706 920
HTAEO35	732379	2280	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	66% 84%	1503 1510	1195 1472
HTDAF68	637685	2281	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	70% 72% 50% 35%	711 892 2 154	890 1041 91 288
HTDAI38	878930	2282	blastx.2	CDNA FLJ20400 FIS, CLONE KAT00587 (FRAGMENT).	sp Q9NX73 Q9NX73	89% 51% 41% 38% 37% 40% 32% 35% 38% 36% 33% 41% 36% 42% 30%	343 438 1248 930 954 1320 1146 1230 238 1041 675 361 352 941 1318	1050 1271 1898 1628 1826 1850 1904 1874 915 1904 1355 978 909 678 956
HTEAN76	830399	2284	blastx.2	FN5 PROTEIN.	sp Q9NRQ5 Q9NRQ5	100%	224	400
HTECE87	702025	2286	blastx.2	CDNA FLJ10815 FIS, CLONE NT2RP4000989, WEAKLY SIMILAR TO 1	sp Q9NVC3 Q9NVC3	94% 97%	121 8	279 133
HTEDF78	564215	2287	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	74%	1563	1423
HTEDX05	862064	2289	blastx.2	CDNA FLJ20574 FIS, CLONE REC01035.	sp Q9NWV6 Q9NWV6	83% 74%	16 404	528 625
HTEEC19	862065	2290	blastx.2	TRANSLATION INITIATION	sp O60841 IF2P_HUMA	100%	11	1321

HTEGH03	815562	2291	blastx.2	FACTOR IF-2. (AL136911) hypothetical protein [Homo sapiens]	N emb CAB66845.1	100%	32	949
HTEGH03	839477	2292	blastx.2	EPITHELIAL PROTEIN LOST IN NEOPLASM ALPHA.	sp Q9UHB5 Q9UHB5	95% 84% 22%	1 678 103	732 866 687
HTEGY81	637689	2294	blastx.2	CG14939 PROTEIN.	sp Q9VKF0 Q9VKF0	74%	11	478
HTEHB49	823145	2296	blastx.2	(AF222747) RanBP17 [Homo sapiens]	gb AAG44255.1 AF22274 7_1	99% 65%	203 126	1537 254
HTEHV60	637690	2298	blastx.2	antifreeze glycopeptide AFGP polyprotein precursor [imported] - Boreogadus saida	pir T44768 T44768	29% 29% 28% 27% 29% 29% 27% 29% 29% 30% 28% 30% 29% 29% 30% 33%	70 58 58 67 58 67 70 67 55 67 58 418 418 505 58	1041 1038 1038 1041 1038 981 1041 1023 1041 1041 804 1041 1065 1041 645
HTEHW80	862068	2299	blastx.2	CDNA FLJ11786 fis, clone HEMBA1006036.	sp BAB13911 BAB13911	69% 85% 77%	276 1076 1143	578 1014 1078
HTEID25	737852	2300	blastx.2	DJ1178H5.3 (NOVEL PROTEIN) (FRAGMENT).	sp Q9Y4V7 Q9Y4V7	100%	259	384
HTEIJ23	784268	2301	blastx.2	CDNA FLJ20363 FIS, CLONE HEP17001.	sp Q9NX98 Q9NX98	100%	107	1303
HTEIM62	806472	2302	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	67% 47%	120 617	10 561
HTEIV33	603393	2303	blastx.2	hypothetical protein DKFZp761L0812.1 - human (fragment)	pir T47135 T47135	55%	259	11
HTEIV65	570826	2304	blastx.2	CDNA: FLJ22976 fis, clone	sp BAB15513 BAB15513	100%	660	743

HTEJD61	828178	2307	blastx.2	KAT11222 (Fragment). conserved hypothetical protein MTH83 - Methanobacterium thermoautotrophicum (strain Delta H)	pir F69210 F69210	100% 100% 100% 96% 96%	660 659 659 660 659	743 742 742 743 742
HTEJL16	603409	2310	blastx.2	PF20 protein, microtubule-associated - Chlamydomonas reinhardtii	pir T08180 T08180	48% 33% 34% 31% 45% 38%	1030 1090 1021 955 400 403	713 722 728 728 257 341
HTEKD35	604979	2313	blastx.2	carbonate dehydratase (EC 4.2.1.1) - zebra fish	pir T08463 T08463	66%	40	591
HTEKV69	877673	2315	blastx.2	CG10806 PROTEIN.	sp Q9VM74 Q9VM74	37%	217	1569
HTFOB75	900824	2318	blastx.2	(AF349951) HP95 [Homo sapiens]	gb AAK20398.1 AF349951_1	96% 50%	162 2469	2366 2675
HTGAA35	737945	2319	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	78% 64%	1632 1474	1465 1349
HTGAD74	834464	2320	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	60%	889	587
HTGAP05	637715	2321	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	58% 65% 54%	1062 871 1064	868 749 993
HTGAR21	838159	2323	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	69% 67% 64%	1100 946 1104	936 800 1063
HTGAS70	827320	2324	blastx.2	DNA FRAGMENTATION FACTOR ALPHA SUBUNIT	sp O00273 DFFA_HUMAN	97%	254	1216

HTGAT65	688864	2325	blastx.2	(DNA FRAGMENTATION 1 HSPC098 (FRAGMENT).	sp Q9P0D8 Q9P0D8	60%	1469	1573
HTGAU17	605125	2326	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	42%	1074	1130
HTGBK95	834490	2328	blastx.2	PVA1 GENE.	sp Q26195 Q26195	60%	703	876
HTGCC01	598903	2329	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	60%	621	710
HTGCK43	828867	2330	blastx.2	MITOCHONDRIAL 28S RIBOSOMAL PROTEIN S15 (MRP-S15).	sp P82914 P82914	61%	7	216
HTGDS43	605094	2331	blastx.2	HUS1+-LIKE PROTEIN.	sp O60921 O60921	74%	1125	832
HTGDS92	839478	2332	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	100%	862	92
HTGEX34	877490	2333	blastx.2	PRO2550.	sp AAG35515 AAG35515	97%	706	831
HTGGM37	827310	2335	blastx.2	CDNA FLJ11267 FIS, CLONE PLACE1009174.	sp Q9NUM6 Q9NUM6	67%	1324	998
HTGGN22	782853	2336	blastx.2	CDNA: FLJ23147 fis, clone LNG09295.	sp BAB15557 BAB15557	87%	1325	1302
HTHBC58	839916	2338	blastx.2	PRO2550.	sp AAG35515 AAG35515	77%	2292	1966
HTHBQ29	561547	2340	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	77%	1781	1912
HTHBZ91	637697	2342	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	66%	682	524
						55%	744	664
						81%	1470	1294
						80%	1300	1208
						60%	1081	893
						81%	848	783
						72%	915	850
						66%	981	748
						69%	947	747
						65%	984	802
						57%	569	324
						52%	588	367
						59%	594	466
						55%	823	668
						46%	458	273
						30%	872	561
						50%	408	289
						46%	891	802
						28%	615	286
						27%	600	286

HTHCA30	637124	2343	blastx.2	CDNA: FLJ22294 fis, clone HRC04426.	sp BAB15291 BAB15291	30%	513	301
HTHDB20	669032	2345	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	62%	644	880
HTHDF45	621313	2346	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N083 Q9N083	63%	849	425
HTHDF86	815686	2347	blastx.2	CDNA FLJ20378 FIS, CLONE KAlA0536.	sp Q9NX85 Q9NX85	83%	1029	705
HTHDP65	637699	2349	blastx.2	PRO2550.	sp AAG35515 AAG35515	66%	205	249
HTHDV50	789402	2351	blastx.2	Hypothetical 9.0 kDa protein.	sp BAB12374 BAB12374	47%	299	272
HTIMA64	775181	2352	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	64%	893	313
HTJM172	840032	2353	blastx.2	B0205.10 PROTEIN.	sp O61747 O61747	36%	1	466
HTLAD74	638978	2354	blastx.2	MYB PROTO-ONCOGENE PROTEIN (C-MYB).	sp P78525 P78525	61%	929	854
HTLAF81	855970	2355	WUblastx.6 4	(BC001978) Unknown (protein for IMAGE:3461487) [Homo sapiens]	gb AAH01978.1 AAH01978	72%	306	633
HTLBF46	839774	2356	HMMER 2.1.1 blastx.2	PFAM: Papain family cysteine protease	PF00112	255	176	1073
				CATHEPSIN F PRECURSOR (EC 3.4.22.-) (CATSF).	sp Q9UBX1 CATF_HUMAN	99%	56	757

[illegible]

[illegible][illegible]

Table 1. Demographic characteristics of the study population	
Age (years)	
Mean	50.0
Range	18-75
Gender	
Male	50
Female	50
Ethnicity	
White	45
Black	10
Hispanic	10
Other	35
Education (years)	
Mean	12.5
Range	8-16
Income (USD/year)	
Mean	15,000
Range	5,000-30,000
Marital status	
Married	40
Single	10
Divorced	10
Widowed	40
Employment status	
Employed	30
Unemployed	10
Retired	10
Homemaker	50
Health status	
Good	40
Fair	10
Poor	50
Medical history	
Hypertension	30
Diabetes	10
Cholesterol	10
Other	50
Current medications	
Antihypertensives	20
Antidiabetics	10
Statins	10
Other	60
Smoking status	
Smoker	10
Non-smoker	90
Alcohol consumption	
Regular	10
Occasional	10
None	80

[illegible]

[illegible][illegible]

Table 1. Demographic characteristics of the study population	
Age (years)	
18-24	100
25-34	100
35-44	100
45-54	100
55-64	100
65-74	100
75-84	100
85-94	100
95-104	100
105-114	100
115-124	100
125-134	100
135-144	100
145-154	100
155-164	100
165-174	100
175-184	100
185-194	100
195-204	100
205-214	100
215-224	100
225-234	100
235-244	100
245-254	100
255-264	100
265-274	100
275-284	100
285-294	100
295-304	100
305-314	100
315-324	100
325-334	100
335-344	100
345-354	100
355-364	100
365-374	100
375-384	100
385-394	100
395-404	100
405-414	100
415-424	100
425-434	100
435-444	100
445-454	100
455-464	100
465-474	100
475-484	100
485-494	100
495-504	100
505-514	100
515-524	100
525-534	100
535-544	100
545-554	100
555-564	100
565-574	100
575-584	100
585-594	100
595-604	100
605-614	100
615-624	100
625-634	100
635-644	100
645-654	100
655-664	100
665-674	100
675-684	100
685-694	100
695-704	100
705-714	100
715-724	100
725-734	100
735-744	100
745-754	100
755-764	100
765-774	100
775-784	100
785-794	100
795-804	100
805-814	100
815-824	100
825-834	100
835-844	100
845-854	100
855-864	100
865-874	100
875-884	100
885-894	100
895-904	100
905-914	100
915-924	100
925-934	100
935-944	100
945-954	100
955-964	100
965-974	100
975-984	100
985-994	100
995-1004	100
1005-1014	100
1015-1024	100
1025-1034	100
1035-1044	100
1045-1054	100
1055-1064	100
1065-1074	100
1075-1084	100
1085-1094	100
1095-1104	100
1105-1114	100
1115-1124	100
1125-1134	100
1135-1144	100
1145-1154	100
1155-1164	100
1165-1174	100
1175-1184	100
1185-1194	100
1195-1204	100
1205-1214	100
1215-1224	100
1225-1234	100
1235-1244	100
1245-1254	100
1255-1264	100
1265-1274	100
1275-1284	100
1285-1294	100
1295-1304	100
1305-1314	100
1315-1324	100
1325-1334	100
1335-1344	100
1345-1354	100
1355-1364	100
1365-1374	100
1375-1384	100

[illegible]

HTLEJ24	608317	2363				(AK009256) putative [Mus musculus]	dbj BAB26173.1	88%	1109	1240
HTLEJ75	815631	2364				HYPOTHETICAL 37.2 KDA PROTEIN (FRAGMENT).	sp O43410 O43410	98% 91%	358 1277	1299 1381
HTLEJ75	762849	2365				probable dna repair/transcription protein - fission yeast (Schizosaccharomyces pombe)	pir T37484 T37484	33%	55	780
HTLEP55	637704	2366				unnamed protein product [unidentified]	emb CAA03255.1	83% 41% 26%	1242 1099 561	1352 1251 650

HTLEV80	866200	2367	blastx.2	BETA-SPECTRIN III (FNTA III SPECTRIN).	sp O15020 O15020	49% 60%	187 608	561 1168
HTLEZ57	634874	2368	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	53% 53% 50%	667 664 921	401 924 968
HTLFA90	740770	2369	blastx.2	IRT1 PROTEIN.	sp Q9NY26 Q9NY26	35%	89	1069
HTLGL33	835020	2370	blastx.2	(AP001512) BH1501~unknown conserved protein in others [Bacillus halodurans]	dbj BAB05220.1	30%	382	1104
HTLGQ25	898114	2371	HMMER 2.1.1	PFAM: Immunoglobulin domain	PF00047	26.6	153	377
HTLGS72	897278	2372	blastx.2	(AL049634) dJ576H24.4 (novel member of the PTPNS (protein 1 sapiens])	emb CAC19495.1	100%	114	443
HTLGY50	839479	2373	WUblastx.6 4	BRAIN CDNA, CLONE MNCB-2717.	sp Q9JJC0 Q9JJC0	40%	6	596
HTLHN86	896930	2374	blastx.2	(AJ006529) putative phosphatase [Gallus gallus]	emb CAA07090.1	39% 65%	987 589	1100 1002
HTLHN86	838287	2375	blastx.2	ZINC FINGER PROTEIN 289.	sp Q9JIH1 Q9JIH1	94%	318	938
HTLHN86	843766	2376	blastx.2	ZINC FINGER PROTEIN 289.	sp Q9JIH1 Q9JIH1	94%	318	938
HTLHN86	883351	2377	blastx.2	ZINC FINGER PROTEIN 289.	sp Q9JIH1 Q9JIH1	94%	318	938
HTLIW29	899417	2378	HMMER 2.1.1	PFAM: Trypsin	PF00089	226.4	133	852
HTNAL14	886203	2380	blastx.2	TESTISIN.	sp Q9Y6M0 Q9Y6M0	100%	10	951
HTNB15	834872	2382	blastx.2	CDNA FLJ20054 FIS, CLONE COL00849.	sp Q9NXU2 Q9NXU2	100%	580	687
HTNB15	845783	2383	blastx.2	(AL512684) hypothetical protein [Homo sapiens]	emb CAC21643.1	99%	1536	1889
HTNB15	853916	2384	blastx.2	(AL512684) hypothetical protein [Homo sapiens]	emb CAC21643.1	99%	1536	1889
HTNB15	884024	2385	blastx.2	(AL512684) hypothetical protein [Homo sapiens]	emb CAC21643.1	99%	1536	1889

HTOAK03	581103	2388	blastx.2	protein [Homo sapiens] HYPOTHETICAL 158.2 KDA PROTEIN.	sp Q9Z0W3 Q9Z0W3	91% 48% 68%	781 363 440	954 470 496
HTOAO58	855972	2389	blastx.2	SCAND2.	sp AAG33966 AAG33966	49%	974	1321
HTOAT56	702026	2390	blastx.2	SYNAPTOGYRIN 2 (CELLUGYRIN).	sp O43760 SNG2_HUMA N	89% 82%	10 425	495 673
HTOBG07	566862	2391	blastx.2	(AF308285) serologically defined breast cancer antigen NY-BR-16 [Homo sapiens]	gb AAG48253.1 AF30828 5_1	99% 41% 38% 37% 33% 34% 30% 50% 44% 25% 39% 66% 57%	9 498 438 276 183 462 462 798 1182 261 1098 941 43	1343 1343 1343 1187 1319 1304 1286 953 1343 839 1247 967 84
HTOBG62	566830	2392	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	77%	1390	1112
HTODA92	849216	2393	blastx.2	(AL096828) dJ963E22.1 (Novel protein similar to NY- REN-2 Antigen) [Homo sapiens]	emb CAC09391.3	80%	2	136
HTODO45	823125	2395	blastx.2	HYPOTHETICAL 15.4 KDA PROTEIN.	sp Q99770 Q99770	57% 66%	1449 1201	1183 1166
HTOET03	845230	2399	blastx.2	DIPHTHAMIDE BIOSYNTHESIS PROTEIN-2.	sp O60623 O60623	97%	34	1041
HTOET03	837213	2400	blastx.2	DIPHTHAMIDE BIOSYNTHESIS PROTEIN-2.	sp O60623 O60623	97%	34	1041
HTOFA11	637719	2402	blastx.2	MHC CLASS II HLA-DQ- ALPHA (DR2-DQW1/DR4 DQW3) (FRAGMENT).	sp Q30086 Q30086	96% 97% 80% 68%	1348 694 1962 1882	1635 942 2069 1968
HTOFC33	824604	2403	blastx.2	PRO2550.	sp AAG35515 AAG35515	73%	1069	878

HTOGB79	762835	2404	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	65%	900	754
						52%	1639	1917
						60%	1642	1806
						50%	1661	1825
						60%	1854	1928
						43%	1797	1865
						32%	1420	1542
						42%	118	201
						60%	1444	1488
						31%	1465	1530
						27%	69	227
						63%	2756	2478
						77%	2727	2551
						60%	1339	1157
						75%	2727	2596
						51%	2661	2500
						46%	2715	2596
						68%	1284	1219
						53%	2606	2472
						42%	2663	2553
						55%	1333	1274
						42%	1214	1137
						55%	1208	1155
						42%	1302	1141
						55%	1332	1273
						48%	1332	1264
						66%	2777	2733
						52%	2730	2674
						56%	1213	1166
HTOHE22	821698	2405	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	75%	1008	1217
HTOHG63	834832	2406	blastx.2	CDNA FLJ13465 fis, clone PLACE1003493, weakly similar to 1	sp BAB14599 BAB14599	98%	2	670
HTOHJ93	762836	2407	blastx.2	UBIQUITOUS TPR-MOTIF PROTEIN Y ISOFORM (FRAGMENT).	sp Q9NR08 Q9NR08	78%	1309	1172
						77%	1185	1054

HTOHN40	843372	2410	blastx.2	PRO2550.	sp AAG35515 AAG35515	46%	1845	1648
HTOHR59	762850	2411	blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]	dbj BAB21918.1	45%	1958	1848
HTOHS29	722256	2412	blastx.2	CDNA FLJ20378 FIS, CLONE KAJA0536.	sp Q9NX85 Q9NX85	66%	1294	1061
HTOID65	636069	2413	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	66%	177	7
HTOIE17	688061	2414	blastx.2	PRO0657 (FRAGMENT).	sp Q9UI50 Q9UI50	50%	423	761
HTOIG16	845999	2415	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	73%	1464	1153
HTOIH39	839245	2416	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	72%	1558	1511
HTOJB02	600376	2418	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	93%	874	1182
						64%	14	127
						73%	918	616
						62%	1445	1098
						60%	949	713
						74%	1411	1265
						53%	1442	1251
						66%	919	770
						45%	966	727
						50%	787	632
						57%	1274	1134
						37%	784	614
						30%	1275	1093
						43%	840	727
						41%	889	770
						34%	1322	1143
						70%	1324	1265
						44%	1439	1338
						48%	1218	1144
						52%	1235	1161
						62%	708	661
						47%	682	626
						38%	1436	1383
HTOJJ26	821702	2419	blastx.2	(AB055293) hypothetical	dbj BAB21918.1	66%	2993	2832

HTOJP25	853623	2420	blastx.2	protein [Macaca fascicularis] hypothetical L1 protein (third intron of gene TS) - human	pir JU0033 JU0033	60%	1388	1519
HTOJS23	737735	2421	blastx.2	CDNA: FLJ21463 fis, clone COL04765.	sp BAB15071 BAB15071	59% 46% 57%	1833 1670 1564	1657 1575 1523
HTOJY56	664504	2422	blastx.2	PRO2032.	sp Q9P1F2 Q9P1F2	100%	88	240
HTOJZ18	844388	2423	blastx.2	CDNA FLJ12155 fis, clone MAMMA1000472.	sp BAB13989 BAB13989	45%	1016	708
HTPCO75	853645	2425	blastx.2	ORF2-LIKE PROTEIN (FRAGMENT).	sp O00549 O00549	43% 36%	325 1318	26 1253
HTPDD68	590530	2427	blastx.2	(AL136810) hypothetical protein [Homo sapiens]	emb CAB66744.1	96% 66%	10 131	2004 202
HTSET62	833692	2430	blastx.2	HMG-box transcription factor TCF-3.	sp BAB18185 BAB18185	97%	124	327
HTSFV18	609939	2431	HMMER 2.1.1	PFAM: Low-density lipoprotein receptor domain class A	PF00057	49.4	170	280
			blastx.2	(AB009462) LDL receptor related protein 105 [Homo sapiens]	dbj BAA32330.1	82%	10	984
HTSGO13	789723	2432	blastx.2	CDNA FLJ20807 FIS, CLONE ADSE01784.	sp Q9NWXJ5 Q9NWXJ5	99% 97%	195 489	548 845
HTSGO88	634834	2433	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	76% 69% 64% 46% 49% 52% 36% 68% 57% 41% 45% 50% 55% 52%	797 791 149 772 164 640 746 639 568 797 560 712 59 697	612 627 15 521 15 521 522 574 512 705 492 638 6 632

HTTAH05	772560	2434	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	52% 54% 72% 38%	638 135 52 251	576 103 20 159
HTTBJ38	863131	2436	blastx.2	CG4911 PROTEIN.	sp Q9VST7 Q9VST7	26%	497	1177
HTTDG27	608318	2438	blastx.2	LINE-1 ELEMENT ORF2.	sp O62658 O62658	38%	392	3
HTTDN24	766485	2439	blastx.2	CDNA FLJ20510 FIS, CLONE KAT09662.	sp Q9NX02 Q9NX02	98% 95% 32%	628 3 1114	1725 629 1596
HTTDO33	899418	2440	blastx.2	HYPOTHETICAL 28.3 KDA PROTEIN.	sp O95476 O95476	99%	22	753
HTTEP11	562023	2443	blastx.2	hypothetical protein DKFZp434C0927.1 - human	pir T46441 T46441	81% 84% 51% 70%	607 1006 812 753	813 1179 928 830
HTTES77	844417	2444	blastx.2	immunoglobulin-like protein IGSF1 - human	pir T09402 T09402	98% 97% 37% 40% 35% 38% 32% 36% 37% 32% 37% 37% 31% 31% 33% 34% 42% 32%	697 3 697 697 697 3 595 982 6 982 45 9 6 6 6 129 1558 659	2085 719 1992 1818 1815 734 1761 1818 725 1776 719 680 716 716 680 704 1821 733
HTTFG15	600377	2446	blastx.2	Hypothetical 10.0 kDa protein.	sp BAB12359 BAB12359	66%	327	482
HTWAM19	618318	2447	blastx.2	CDNA: FLJ21463 fis, clone	sp BAB15071 BAB15071	64%	1764	1525

HTWBF58	747706	2448		blastx.2	COL04765.			77%	1867	1763
HTWBO30	655371	2449		blastx.2	FLJ00047 protein (Fragment). UNNAMED PORTEIN PRODUCT.	sp BAB15745 BAB15745 sp Q9N083 Q9N083		81%	1022	924
HTWBZ57	828030	2450		blastx.2	HHM PROTEIN.	sp Q9NS19 Q9NS19		52%	760	578
HTWCC10	747687	2451		blastx.2	CDNA: FLJ21394 fis, clone COL03536.			55%	560	453
HTWCT76	767758	2453		blastx.2	(AB055293) hypothetical protein [Macaca fascicularis]			99%	314	1276
HTWDJ17	784037	2454		WUblastx.6 4	(AK013267) putative [Mus musculus]	dbj B-AB28758.1		97%	198	320
HTWDM89	569787	2455		blastx.2	CDNA: FLJ21463 fis, clone COL04765.	dbj B-AB28758.1		51%	1240	947
HTWEQ36	823369	2458		blastx.2	CDNA FLJ20187 FIS, CLONE COLF0433.	sp BAB15071 BAB15071 sp Q9NXXK9 Q9NXXK9		68%	1550	1368
HTWFA88	596942	2460		blastx.2	probable transposase - human transposon MER37	pir S72481 S72481		58%	1361	1311
HTWFO43	858741	2462		blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448		93%	17	1255
								67%	1442	1146
								100%	724	891
								57%	709	1272
								70%	1350	1559
								62%	800	952
								58%	1286	1357
								64%	926	627
								60%	1275	1039
								63%	1241	1047
								42%	1106	744
								55%	1290	1102
								40%	1108	689
								61%	907	743
								40%	1215	1087
								84%	1034	996
								36%	922	743
								36%	841	596
								53%	684	601
								59%	753	688
								58%	675	625
								36%	863	744
								30%	863	633
								41%	1272	1183

HTXAD75	745410	2465	blastx.2	Calpain 2.		sp AAG22771 AAG22771	29%	920	777
HTXAR92	656935	2466	blastx.2	CDNA: FLJ21463 fis, clone COL04765.		sp BAB15071 BAB15071	52%	1033	977
HTXBU88	604985	2468	blastx.2	PRO2550.		sp AAG35515 AAG35515	64%	657	607
HTXCP27	892364	2469	blastx.2	PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (EC 3.1.3.16) 1 1		sp O15355 P2CG_HUMA N	45%	1063	992
HTXCU30	839846	2470	blastx.2	CDNA: FLJ21463 fis, clone COL04765.		sp BAB15071 BAB15071	30%	1272	1054
HTXCV44	740773	2471	blastx.2	CDNA FLJ12155 fis, clone MAMMA1000472.		sp BAB13989 BAB13989	98%	345	917
HTXDJ75	562780	2473	blastx.2	PVA1 GENE.		sp Q26195 Q26195	78%	1599	1297
HTXDT72	778083	2477	blastx.2	CDNA FLJ12238 fis, clone MAMMA1001260, weakly similar to 1		sp BAB14005 BAB14005	80%	698	459
HTXDZ68	824545	2479	blastx.2	HSPC106 (FRAGMENT).		sp Q9P0D0 Q9P0D0	60%	775	701
HTXEN33	589556	2480	blastx.2	ICSAT TRANSCRIPTION FACTOR (FRAGMENT).		sp Q99419 Q99419	98%	285	524
HTXJD08	566885	2485	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).		sp Q14288 Q14288	100%	946	1149
HTXJD85	840391	2486	blastx.2	CDNA FLJ11786 fis, clone HEMBA1006036.		sp BAB13911 BAB13911	97%	521	628
HTXJI59	869905	2488	blastx.2	SHC TRANSFORMING PROTEIN.		sp P29353 SHC_HUMAN	59%	875	684
							80%	639	577
							81%	706	641
							63%	630	803
							62%	794	898
							52%	883	945
							72%	1527	1366
							68%	1370	1323
							55%	1619	1335
							70%	8	397
							71%	136	498
							90%	80	277
							78%	843	968
							59%	743	1111
							57%	395	583
							47%	604	756
							51%	1114	818
							93%	1708	1571

HTXJ92	688062	2489	blastx.2	X-linked retinopathy protein (C-terminal, clone XEH.8c) - human (fragment)	pir A46010 A46010	48%	537	782
HTXJM94	853413	2490	blastx.2	(AF077205) HSPC019 [Homo sapiens]	gb AAD27000.1	83%	44	262
HTXJW06	789201	2492	blastx.2	ADRENAL GLAND PROTEIN AD-003.	sp Q9UI28 Q9UI28	100%	868	614
HTXKB57	844329	2493	blastx.2	HSPC309 (FRAGMENT).	sp Q9P073 Q9P073	79% 60% 94% 44% 58%	1125 1334 1072 927 427	1526 1501 1128 1007 462
HTXKH40	600378	2495	blastx.2	CGI-71 PROTEIN.	sp Q9Y380 Q9Y380	94%	9	290
HTXKK76	858755	2496	blastx.2	pro-pol-dUTPase polypeptide - murine endogenous retrovirus ERV-1 (fragment)	pir T29097 T29097	44%	475	2
HTXKL53	783141	2497	blastx.2	CGI-05 PROTEIN.	sp Q9Y3F0 Q9Y3F0	90% 100%	3 1315	89 1359
HTXLC05	843523	2500	blastx.2	Sphingosine-1-phosphatase.	sp CAC17772 CAC17772	28%	4	531
HTXLY94	844165	2503	blastx.2	hypothetical protein DKFZp586F0424.1 - human (fragment)	pir T14744 T14744	67%	44	643
HTXNV66	840397	2504	blastx.2	ADP-RIBOSYLATION FACTOR BINDING PROTEIN GGA2.	sp Q9UJY4 Q9UJY4	99%	18	431
HTXOL30	838462	2505	blastx.2	Hypothetical 8.0 kDa protein.	sp BAB12345 BAB12345	68%	840	718
HTXOW27	839280	2506	blastx.2	(AL136862) hypothetical protein [Homo sapiens]	emb CAB66796.1	98% 100%	229 1649	1656 2086
HTXPD86	834772	2507	blastx.2	WD-REPEAT PROTEIN 5 (FRAGMENT).	sp Q9UGP9 WDR5_HUMAN	99%	74	1132
HTXPT57	897834	2508	blastx.2	NEURONAL THREAD PROTEIN AD7C-NTP.	sp O60448 O60448	62% 61% 52% 48% 52% 61% 42%	717 723 689 1121 1084 939 725	526 544 408 834 926 838 474

HTYSJ88	598718	2509	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.		55%	564	451
HUFAB57	587275	2512	blastx.2	CYCLOPHILIN-33B (EC 5.2.1.8).		38%	722	543
HUFAO92	608175	2514	blastx.2	CALCIUM-TRANSPORTING ATPASE TYPE 2C, MEMBER 1 (EC 1		53%	551	432
HUFAO94	668267	2515	blastx.2	PRENYLATED RAB ACCEPTOR 1.		45%	974	849
HUFAP33	600379	2516	HMMER 2.1.1 blastx.2	PFAM: Zona pellucida-like domain DMBT1 PROTEIN.		41%	1054	911
HUKAD46	604986	2524	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.		64%	891	841
HUKAO50	805975	2526	blastx.2	(AP002460) gene_id:F1D9.26-unknown protein [Arabidopsis thaliana]		55%	480	427
						66%	1113	1069
						53%	911	834
						42%	1034	921
						50%	633	580
						57%	425	384
						75%	768	457
						55%	826	1035
						94%	1266	1316
						64%	175	510
						100%	3	551
						223.2	282	1016
						100%	228	1016
						100%	26	226
						100%	1013	1144
						43%	29	217
						41%	445	546
						38%	445	546
						38%	445	522
						63%	377	598
						46%	589	747
						43%	591	656
						78%	1888	2058
						83%	1898	2056
						83%	1898	2056
						83%	1898	2056

1990年12月31日	
流动资产	100.00
货币资金	10.00
应收账款	10.00
预付账款	10.00
其他流动资产	10.00
非流动资产	100.00
固定资产	10.00
无形资产	10.00
其他非流动资产	10.00
负债	100.00
流动负债	10.00
应付账款	10.00
预收账款	10.00
其他流动负债	10.00
非流动负债	10.00
长期借款	10.00
其他非流动负债	10.00
所有者权益	100.00
实收资本	10.00
资本公积	10.00
盈余公积	10.00
未分配利润	10.00
其他所有者权益	10.00

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[illegible]

1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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Variable	Mean		SD		t		p	
	Control	Case	Control	Case	Control	Case	Control	Case
Age	20.5	20.5	1.5	1.5	0.0	0.0	0.999	0.999
Gender	100	100	0	0	0.0	0.0	0.999	0.999
Height	170.0	170.0	5.0	5.0	0.0	0.0	0.999	0.999
Weight	60.0	60.0	10.0	10.0	0.0	0.0	0.999	0.999
Heart rate	70.0	70.0	10.0	10.0	0.0	0.0	0.999	0.999
Blood pressure	120/80	120/80	10/10	10/10	0.0	0.0	0.999	0.999
Respiratory rate	12.0	12.0	2.0	2.0	0.0	0.0	0.999	0.999
SpO ₂	98.0	98.0	1.0	1.0	0.0	0.0	0.999	0.999
Temperature	36.5	36.5	0.2	0.2	0.0	0.0	0.999	0.999
Heart rate variability	50.0	50.0	10.0	10.0	0.0	0.0	0.999	0.999
Heart rate variability (ln)	3.9	3.9	0.5	0.5	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln)	1.5	1.5	0.2	0.2	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln)	0.5	0.5	0.1	0.1	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln)	0.2	0.2	0.05	0.05	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln)	0.1	0.1	0.02	0.02	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln)	0.05	0.05	0.01	0.01	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.02	0.02	0.005	0.005	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.01	0.01	0.001	0.001	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.005	0.005	0.0005	0.0005	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.001	0.001	0.0001	0.0001	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.0005	0.0005	0.00005	0.00005	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.0001	0.0001	0.00001	0.00001	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.00005	0.00005	0.000005	0.000005	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.00001	0.00001	0.000001	0.000001	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.000005	0.000005	0.0000005	0.0000005	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.000001	0.000001	0.0000001	0.0000001	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.0000005	0.0000005	0.00000005	0.00000005	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.0000001	0.0000001	0.00000001	0.00000001	0.0	0.0	0.999	0.999
Heart rate variability (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln) (ln)	0.00000005	0.00000005	0.000000005	0.000000005	0.0	0.0	0.999	0.999
Heart rate variability (ln)	0.00000001	0.00000001	0.000000001	0.000000001	0.0	0.0	0.999	0.999
Heart rate variability (ln)	0.000000005	0.000000005	0.0000000005	0.0000000005	0.0	0.0	0.999	0.999
Heart rate variability (ln)	0.000000001	0.000000001	0.000					

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1997年12月31日	
资产	负债及所有者权益
流动资产	流动负债
货币资金	短期借款
应收账款	应付账款
预付账款	预收账款
其他应收款	应付工资
存货	应付福利费
流动资产合计	流动负债合计
长期资产	长期负债
固定资产	长期借款
无形资产	应付债券
长期股权投资	长期应付款
长期资产合计	长期负债合计
所有者权益	
实收资本	
资本公积	
盈余公积	
未分配利润	
所有者权益合计	
资产总计	负债及所有者权益总计

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HUKCS86	826468	2527	blastx.2	CDNA FLJ20500 FIS, CLONE KAT09159.	sp Q9NX09 Q9NX09	100%	201	896
HUKCS86	844245	2528	blastx.2	CDNA FLJ20500 FIS, CLONE KAT09159.	sp Q9NX09 Q9NX09	100%	201	896
HUKEA22	702029	2529	blastx.2	CINGULIN.	sp Q9PTD7 Q9PTD7	75% 23% 22%	575 569 569	12 51 18
HUKFC71	845161	2607	blastx.2	MITOCHONDRIAL 28S RIBOSOMAL PROTEIN S15 (MRP-S15).	sp P82914 P82914	100%	293	931
HUKFV37	844644	2533	blastx.2	SYNAPTOGYRIN 2 (CELLUGYRIN).	sp Q43760 SNG2_HUMA N	99%	49	720
HUNAL39	559448	2535	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q14288 Q14288	81%	1009	629
HUSAO04	877889	2536	HMMER 2.1.1 blastx.2	PFAM: tRNA synthetases class I (W and Y)	PF00579	260.4	255	965
HUSAO04	870791	2537	HMMER 2.1.1 blastx.2	CDNA FLJ13995 fis, clone Y79AA1002209, weakly similar to 1	sp BAB14806 BAB14806	99%	30	1460
HUSAO04	870791	2537	HMMER 2.1.1 blastx.2	PFAM: tRNA synthetases class I (W and Y)	PF00579	212.2	297	965
HUSAO04	870791	2537	HMMER 2.1.1 blastx.2	CDNA FLJ13995 fis, clone Y79AA1002209, weakly similar to 1	sp BAB14806 BAB14806	99%	30	1460
HUSCA09	853417	2538	HMMER 2.1.1	PFAM: Leucine Rich Repeat	PF00560	69.9	1259	1327
HUSCA09	853417	2538	WUblastx.6 4	similar to yeast adenylate cyclase (S56776) [Homo sapiens]	dbj BAA13220.1	97%	203	1630
HUSGB23	704094	2540	blastx.2	(AL136817) hypothetical protein [Homo sapiens]	emb CAB66751.1	74% 97%	12 143	212 247
HUSGY15	759888	2543	blastx.2	ZINC TRANSPORTER LIKE 2.	sp Q9JKN1 Q9JKN1	94%	162	1289
HUSHD41	866498	2544	blastx.2	UNNAMED PORTEIN PRODUCT.	sp Q9N092 Q9N092	96% 56%	2575 2569	1541 2501
HUSHK65	847188	2545	HMMER	PFAM: CUB domain	PF00431	292.1	887	1222

[illegible]

Table 1. Demographic characteristics of the study population	
Age	
18-24	10.0
25-34	20.0
35-44	25.0
45-54	20.0
55-64	15.0
65-74	10.0
75+	5.0
Gender	
Male	50.0
Female	50.0
Ethnicity	
White	60.0
Black	20.0
Hispanic	10.0
Asian	5.0
Other	5.0
Education	
High school or less	30.0
Some college	20.0
College graduate	25.0
Postgraduate	25.0
Income	
<\$10,000	10.0
\$10,000-\$20,000	20.0
\$20,000-\$30,000	25.0
\$30,000-\$40,000	20.0
\$40,000-\$50,000	15.0
\$50,000+	10.0
Health status	
Excellent	10.0
Good	20.0
Fair	30.0
Poor	40.0

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Descriptive Statistics		Descriptive Statistics		Descriptive Statistics	
Variable	Mean	SD	Variable	Mean	SD
Age	35.2	12.5	Gender	Male	65.5
Education	12.8	2.1	Gender	Female	34.5
Income	45.3	15.2	Marital Status	Married	58.2
Occupation	3.2	1.8	Marital Status	Single	41.8
Health Status	2.1	1.0	Marital Status	Divorced	12.5
Stress Level	4.5	1.2	Marital Status	Widowed	3.5
Life Satisfaction	3.8	1.1	Marital Status	Other	1.5
Depression Score	2.5	1.3	Marital Status	Never Married	15.5
Loneliness Score	3.2	1.4	Marital Status	Remarried	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Current	10.5
Life Satisfaction	3.8	1.1	Marital Status	Former	10.5
Depression Score	2.5	1.3	Marital Status	Never	10.5
Loneliness Score	3.2	1.4	Marital Status	Current	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Former	10.5
Life Satisfaction	3.8	1.1	Marital Status	Never	10.5
Depression Score	2.5	1.3	Marital Status	Current	10.5
Loneliness Score	3.2	1.4	Marital Status	Former	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Never	10.5
Life Satisfaction	3.8	1.1	Marital Status	Current	10.5
Depression Score	2.5	1.3	Marital Status	Former	10.5
Loneliness Score	3.2	1.4	Marital Status	Never	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Current	10.5
Life Satisfaction	3.8	1.1	Marital Status	Former	10.5
Depression Score	2.5	1.3	Marital Status	Never	10.5
Loneliness Score	3.2	1.4	Marital Status	Current	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Former	10.5
Life Satisfaction	3.8	1.1	Marital Status	Never	10.5
Depression Score	2.5	1.3	Marital Status	Current	10.5
Loneliness Score	3.2	1.4	Marital Status	Former	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Never	10.5
Life Satisfaction	3.8	1.1	Marital Status	Current	10.5
Depression Score	2.5	1.3	Marital Status	Former	10.5
Loneliness Score	3.2	1.4	Marital Status	Never	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Current	10.5
Life Satisfaction	3.8	1.1	Marital Status	Former	10.5
Depression Score	2.5	1.3	Marital Status	Never	10.5
Loneliness Score	3.2	1.4	Marital Status	Current	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Former	10.5
Life Satisfaction	3.8	1.1	Marital Status	Never	10.5
Depression Score	2.5	1.3	Marital Status	Current	10.5
Loneliness Score	3.2	1.4	Marital Status	Former	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Never	10.5
Life Satisfaction	3.8	1.1	Marital Status	Current	10.5
Depression Score	2.5	1.3	Marital Status	Former	10.5
Loneliness Score	3.2	1.4	Marital Status	Never	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Current	10.5
Life Satisfaction	3.8	1.1	Marital Status	Former	10.5
Depression Score	2.5	1.3	Marital Status	Never	10.5
Loneliness Score	3.2	1.4	Marital Status	Current	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Former	10.5
Life Satisfaction	3.8	1.1	Marital Status	Never	10.5
Depression Score	2.5	1.3	Marital Status	Current	10.5
Loneliness Score	3.2	1.4	Marital Status	Former	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Never	10.5
Life Satisfaction	3.8	1.1	Marital Status	Current	10.5
Depression Score	2.5	1.3	Marital Status	Former	10.5
Loneliness Score	3.2	1.4	Marital Status	Never	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Current	10.5
Life Satisfaction	3.8	1.1	Marital Status	Former	10.5
Depression Score	2.5	1.3	Marital Status	Never	10.5
Loneliness Score	3.2	1.4	Marital Status	Current	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Former	10.5
Life Satisfaction	3.8	1.1	Marital Status	Never	10.5
Depression Score	2.5	1.3	Marital Status	Current	10.5
Loneliness Score	3.2	1.4	Marital Status	Former	10.5
Self-Esteem Score	4.1	1.0	Marital Status	Never	10.5
Life Satisfaction	3				

[illegible]

Descriptive statistics	
Age	20.2
Gender	0.5
SES	0.2
SES ²	0.0
SES ³	0.0
SES ⁴	0.0
SES ⁵	0.0
SES ⁶	0.0
SES ⁷	0.0
SES ⁸	0.0
SES ⁹	0.0
SES ¹⁰	0.0
SES ¹¹	0.0
SES ¹²	0.0
SES ¹³	0.0
SES ¹⁴	0.0
SES ¹⁵	0.0
SES ¹⁶	0.0
SES ¹⁷	0.0
SES ¹⁸	0.0
SES ¹⁹	0.0
SES ²⁰	0.0
SES ²¹	0.0
SES ²²	0.0
SES ²³	0.0
SES ²⁴	0.0
SES ²⁵	0.0
SES ²⁶	0.0
SES ²⁷	0.0
SES ²⁸	0.0
SES ²⁹	0.0
SES ³⁰	0.0
SES ³¹	0.0
SES ³²	0.0
SES ³³	0.0
SES ³⁴	0.0
SES ³⁵	0.0
SES ³⁶	0.0
SES ³⁷	0.0
SES ³⁸	0.0
SES ³⁹	0.0
SES ⁴⁰	0.0
SES ⁴¹	0.0
SES ⁴²	0.0
SES ⁴³	0.0
SES ⁴⁴	0.0
SES ⁴⁵	0.0
SES ⁴⁶	0.0
SES ⁴⁷	0.0
SES ⁴⁸	0.0
SES ⁴⁹	0.0
SES ⁵⁰	0.0
SES ⁵¹	0.0
SES ⁵²	0.0
SES ⁵³	0.0
SES ⁵⁴	0.0
SES ⁵⁵	0.0
SES ⁵⁶	0.0
SES ⁵⁷	0.0
SES ⁵⁸	0.0
SES ⁵⁹	0.0
SES ⁶⁰	0.0
SES ⁶¹	0.0
SES ⁶²	0.0
SES ⁶³	0.0
SES ⁶⁴	0.0
SES ⁶⁵	0.0
SES ⁶⁶	0.0
SES ⁶⁷	0.0
SES ⁶⁸	0.0
SES ⁶⁹	0.0
SES ⁷⁰	0.0
SES ⁷¹	0.0
SES ⁷²	0.0
SES ⁷³	0.0
SES ⁷⁴	0.0
SES ⁷⁵	0.0
SES ⁷⁶	0.0
SES ⁷⁷	0.0
SES ⁷⁸	0.0
SES ⁷⁹	0.0
SES ⁸⁰	0.0
SES ⁸¹	0.0
SES ⁸²	0.0
SES ⁸³	0.0
SES ⁸⁴	0.0
SES ⁸⁵	0.0
SES ⁸⁶	0.0
SES ⁸⁷	0.0
SES ⁸⁸	0.0
SES ⁸⁹	0.0
SES ⁹⁰	0.0
SES ⁹¹	0.0
SES ⁹²	0.0
SES ⁹³	0.0
SES ⁹⁴	0.0
SES ⁹⁵	0.0
SES ⁹⁶	0.0
SES ⁹⁷	0.0
SES ⁹⁸	0.0
SES ⁹⁹	0.0
SES ¹⁰⁰	0.0

[illegible]

[illegible][illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																																																																
Population (millions)	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4

[illegible]

[illegible][illegible]

1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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[illegible]

Physical properties	
MP (°C)	100.0
BP (°C)	100.0
Refractive index	1.400
Density	1.000
Viscosity	1.000
Log P	1.000
Log S	1.000
Log B	1.000
Log C	1.000
Log D	1.000
Log E	1.000
Log F	1.000
Log G	1.000
Log H	1.000
Log I	1.000
Log J	1.000
Log K	1.000
Log L	1.000
Log M	1.000
Log N	1.000
Log O	1.000
Log P	1.000
Log Q	1.000
Log R	1.000
Log S	1.000
Log T	1.000
Log U	1.000
Log V	1.000
Log W	1.000
Log X	1.000
Log Y	1.000
Log Z	1.000
Log AA	1.000
Log AB	1.000
Log AC	1.000
Log AD	1.000
Log AE	1.000
Log AF	1.000
Log AG	1.000
Log AH	1.000
Log AI	1.000
Log AJ	1.000
Log AK	1.000
Log AL	1.000
Log AM	1.000
Log AN	1.000
Log AO	1.000
Log AP	1.000
Log AQ	1.000
Log AR	1.000
Log AS	1.000
Log AT	1.000
Log AU	1.000
Log AV	1.000
Log AW	1.000
Log AX	1.000
Log AY	1.000
Log AZ	1.000
Log BA	1.000
Log BB	1.000
Log BC	1.000
Log BD	1.000
Log BE	1.000
Log BF	1.000
Log BG	1.000
Log BH	1.000
Log BI	1.000
Log BJ	1.000
Log BK	1.000
Log BL	1.000
Log BM	1.000
Log BN	1.000
Log BO	1.000
Log BP	1.000
Log BQ	1.000
Log BR	1.000
Log BS	1.000
Log BT	1.000
Log BU	1.000
Log BV	1.000
Log BW	1.000
Log BX	1.000
Log BY	1.000
Log BZ	1.000
Log CA	1.000
Log CB	1.000
Log CC	1.000
Log CD	1.000
Log CE	1.000
Log CF	1.000
Log CG	1.000
Log CH	1.000
Log CI	1.000
Log CJ	1.000
Log CK	1.000
Log CL	1.000
Log CM	1.000
Log CN	1.000
Log CO	1.000
Log CP	1.000
Log CQ	1.000
Log CR	1.000
Log CS	1.000
Log CT	1.000
Log CU	1.000
Log CV	1.000
Log CW	1.000
Log CX	1.000
Log CY	1.000
Log CZ	1.000
Log DA	1.000
Log DB	1.000
Log DC	1.000
Log DD	1.000
Log DE	1.000
Log DF	1.000
Log DG	1.000
Log DH	1.000
Log DI	1.000
Log DJ	1.000
Log DK	1.000
Log DL	1.000
Log DM	1.000
Log DN	1.000
Log DO	1.000
Log DP	1.000
Log DQ	1.000
Log DR	1.000
Log DS	1.000
Log DT	1.000
Log DU	1.000
Log DV	1.000
Log DW	1.000
Log DX	1.000
Log DY	1.000
Log DZ	1.000
Log EA	1.000
Log EB	1.000
Log EC	1.000
Log ED	1.000
Log EE	1.000
Log EF	1.000
Log EG	1.000
Log EH	1.000
Log EI	1.000
Log EJ	1.000
Log EK	1.000
Log EL	1.000
Log EM	1.000
Log EN	1.000
Log EO	1.000
Log EP	1.000
Log EQ	1.000
Log ER	1.000
Log ES	1.000
Log ET	1.000

[illegible]

a) α = 0.05		b) α = 0.01		c) α = 0.001	
test	power	test	power	test	power
W	0.80	W	0.75	W	0.65
L	0.75	L	0.70	L	0.60
F	0.70	F	0.65	F	0.55
W	0.85	W	0.80	W	0.70
L	0.80	L	0.75	L	0.65
F	0.75	F	0.70	F	0.60
W	0.90	W	0.85	W	0.75
L	0.85	L	0.80	L	0.70
F	0.80	F	0.75	F	0.65
W	0.95	W	0.90	W	0.80
L	0.90	L	0.85	L	0.75
F	0.85	F	0.80	F	0.70
W	0.98	W	0.95	W	0.85
L	0.95	L	0.90	L	0.80
F	0.90	F	0.85	F	0.75
W	0.99	W	0.98	W	0.90
L	0.98	L	0.95	L	0.85
F	0.95	F	0.90	F	0.80
W	1.00	W	1.00	W	0.95
L	1.00	L	1.00	L	0.90
F	1.00	F	1.00	F	0.85

[illegible]

1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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[illegible]

Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 10.0
Gender	
Male	50%
Female	50%
Education (years)	12.0 ± 2.0
Marital status	
Married	70%
Single	30%
Occupation	
Retired	60%
Unemployed	40%
Income (USD/month)	1,200 ± 300
Health status	
Good	75%
Fair	25%
Poor	0%
Comorbidities	
Hypertension	45%
Diabetes	30%
Cholesterol	55%
Smoking status	
Smoker	20%
Non-smoker	80%
Alcohol consumption	
Regular	10%
Occasional	30%
Never	60%
Family size	3.0 ± 1.0
Living alone	15%
Living with family	85%
Access to healthcare	
Regular visits	65%
Irregular visits	35%
Health insurance	
Yes	80%
No	20%
Medication adherence	
High	70%
Low	30%
Health literacy	
High	60%
Low	40%
Health beliefs	
Positive	75%
Negative	25%
Health behaviors	
Healthy	65%
Unhealthy	35%
Health status change	
Improved	40%
Stable	50%
Deteriorated	10%
Health status score	70.0 ± 10.0
Health status index	0.70 ± 0.10
Health status score change	10.0 ± 5.0
Health status index change	0.10 ± 0.05
Health status score at baseline	60.0 ± 10.0
Health status index at baseline	0.60 ± 0.10
Health status score at follow-up	70.0 ± 10.0
Health status index at follow-up	0.70 ± 0.10
Health status score difference	10.0 ± 5.0
Health status index difference	0.10 ± 0.05
Health status score at baseline (mean)	60.0
Health status index at baseline (mean)	0.60
Health status score at follow-up (mean)	70.0
Health status index at follow-up (mean)	0.70
Health status score difference (mean)	10.0
Health status index difference (mean)	0.10
Health status score at baseline (SD)	10.0
Health status index at baseline (SD)	0.10
Health status score at follow-up (SD)	10.0
Health status index at follow-up (SD)	0.10
Health status score difference (SD)	5.0
Health status index difference (SD)	0.05
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70
Health status score at follow-up (95% CI)	60.0 - 80.0
Health status index at follow-up (95% CI)	0.60 - 0.80
Health status score difference (95% CI)	10.0 - 10.0
Health status index difference (95% CI)	0.10 - 0.10
Health status score at baseline (95% CI)	50.0 - 70.0
Health status index at baseline (95% CI)	0.50 - 0.70

[illegible]

2007年12月31日	
流动资产	1,000,000
非流动资产	2,000,000
资产总计	3,000,000
流动负债	1,500,000
非流动负债	500,000
负债总计	2,000,000
所有者权益	1,000,000
负债和所有者权益总计	3,000,000

[illegible]

表 1 研究対象者の一般状況	
項目	数
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10
研究対象者の属性	
性別	
男	10
女	10
年齢	
平均	45.5
範囲	20~70
職業	
学生	10
職人	10
その他	10</

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	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217		2217-2218		2218-2219		2219-2220		2220-2221		2221-2222		2222-2223		2223-2224	
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1. General information	
1.1. Name of the project	1.2. Name of the institution
1.3. Address of the institution	1.4. Telephone number
1.5. Fax number	1.6. E-mail address
1.7. Website	1.8. Other contact information
1.9. Date of the report	
1.10. Version of the report	
1.11. Name of the author	
1.12. Name of the reviewer	
1.13. Name of the sponsor	
1.14. Name of the funding agency	
1.15. Name of the steering committee	
1.16. Name of the advisory board	
1.17. Name of the ethics committee	
1.18. Name of the data management team	
1.19. Name of the communication team	
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1.151. Name of the project financial team	
1.152. Name of the project administrative team	
1.153. Name of the project technical team	

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Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 10.0
Gender	
Male	50 (50.0%)
Female	50 (50.0%)
Education (years)	12.0 ± 2.0
Marital status	
Married	40 (80.0%)
Single	10 (20.0%)
Occupation	
Retired	30 (60.0%)
Unemployed	20 (40.0%)
Income (USD/month)	1,200 ± 300
Health status	
Good	30 (60.0%)
Poor	20 (40.0%)
Comorbidities	
Hypertension	15 (30.0%)
Diabetes	10 (20.0%)
Cholesterol	12 (24.0%)
Smoking status	
Smoker	10 (20.0%)
Non-smoker	40 (80.0%)
Alcohol consumption	
Regular	5 (10.0%)
Occasional	15 (30.0%)
Never	30 (60.0%)
Family size	3.0 ± 1.0
Living alone	10 (20.0%)
Living with family	40 (80.0%)
Health insurance	
Yes	35 (70.0%)
No	15 (30.0%)
Medication use	
Regular	20 (40.0%)
Occasional	10 (20.0%)
Never	20 (40.0%)
Healthcare access	
Easy	30 (60.0%)
Difficult	20 (40.0%)
Healthcare utilization	
Regular	25 (50.0%)
Occasional	15 (30.0%)
Never	10 (20.0%)
Healthcare satisfaction	
Satisfied	30 (60.0%)
Dissatisfied	20 (40.0%)
Healthcare cost	
Low	20 (40.0%)
High	30 (60.0%)
Healthcare quality	
Good	25 (50.0%)
Poor	25 (50.0%)
Healthcare access barriers	
Distance	10 (20.0%)
Cost	15 (30.0%)
Quality	10 (20.0%)
Availability	5 (10.0%)
Healthcare utilization barriers	
Distance	10 (20.0%)
Cost	15 (30.0%)
Quality	10 (20.0%)
Availability	5 (10.0%)
Healthcare satisfaction barriers	
Distance	10 (20.0%)
Cost	15 (30.0%)
Quality	10 (20.0%)
Availability	5 (10.0%)
Healthcare cost barriers	
Distance	10 (20.0%)
Cost	15 (30.0%)
Quality	10 (20.0%)
Availability	5 (10.0%)
Healthcare quality barriers	
Distance	10 (20.0%)
Cost	15 (30.0%)
Quality	10 (20.0%)
Availability	5 (10.0%)

[illegible]

[illegible]

[illegible][illegible]

HUVQ68	561963	2553	blastx.2	ENDOBREVIN.			100%	511	639
HUVEG53	797556	2555	blastx.2	LINE-1 ELEMENT ORF2.	sp O60625 O60625	sp O62658 O62658	60%	1391	1263
							97%	511	639
							95%	511	639
							99%	40	339
							60%	1391	1263
							34%	2148	1894

HWAAH11	815548	2556	blastx.2	CDNA FLJ11856 fis, clone HEMBA1006789.	sp BAB13936 BAB13936	41% 37%	2159 1843	2022 1676
HWAAQ28	806588	2557	blastx.2	HSPC169.	sp Q9NZZ8 Q9NZZ8	96% 100% 23%	62 651 649	676 980 801
HWABR43	823367	2559	blastx.2	CDNA: FLJ21394 fis, clone COL03536.	sp BAB15056 BAB15056	70% 78%	2305 2073	2075 2032
HWACZ33	827311	2561	blastx.2	collagen-related protein 1 precursor - Hydra magnipapillata	pir A41132 A41132	51% 45% 66%	133 133 1129	270 291 1164
HWADV90	897732	2562	blastx.2	CDNA FLJ20489 FIS, CLONE KAT08285.	sp Q9NX17 Q9NX17	79%	2393	2163
HWAEBS2	873207	2563	blastx.2	CDNA FLJ13219 fis, clone NT2RP4001849, weakly similar to 1	sp BAB14506 BAB14506	90% 27%	389 356	1426 1168
HWBAK71	853581	2564	blastx.2	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - human mitochondrion	pir A00422 DINHUN3	91%	23	340
HWBBU75	780360	2565	blastx.2	MUNC13-4 PROTEIN.	sp Q9R189 Q9R189	82% 88% 78% 70% 34% 31%	1454 194 913 2229 401 1586	2362 952 1434 2729 532 1711
HWBCN81	853580	2566	blastx.2	(AL109658) dJ776F14.2 (a novel protein member of the PTPNS 1 [Homo sapiens]	emb CAB96828.1	94% 29% 100%	195 222 150	560 662 221
HWBCX93	853418	2568	blastx.2	CDNA FLJ20378 FIS, CLONE KAIA0536.	sp Q9NX85 Q9NX85	82% 80%	829 642	641 553
HWHGV77	788555	2572	blastx.2	SKIN-SPECIFIC PROTEIN (FRAGMENT).	sp O14634 O14634	98%	427	756
HWHGW09	702032	2573	HMMER 2.1.1 blastx.2	PFAM: Uncharacterized protein family CGI-119 PROTEIN.	PF01027 sp Q9Y3C2 Q9Y3C2	68.3 92%	271 223	444 450

HWLHA21	638966	2574	blastx.2	SKIN-SPECIFIC PROTEIN. (AJ245876) putative cytoplasmatic protein [Homo sapiens]	sp O14633 O14633	93%	121	450
HWHPU44	778090	2575	blastx.2		emb CAC21571.1	97%	311	547
HWLGP26	834770	2579	blastx.2	DNA POLYMERASE MU.	sp Q9NP87 Q9NP87	100% 94% 87% 93% 76% 24%	3 295 432 674 248 128	260 465 623 760 298 397
HWLHO31	837480	2580	blastx.2	KINESIN-LIKE PROTEIN GAKIN.	sp Q9NQT8 Q9NQT8	96% 100%	190 41	1689 205
HWLJN08	800626	2582	blastx.2	PROTEIN KINASE C INHIBITOR.	sp Q9I839 Q9I839	60%	467	844
HWLRE03	831198	2583	blastx.2	HYPOTHETICAL 53.8 KDA PROTEIN (FRAGMENT).	sp O60646 O60646	99% 92%	1238 1008	2431 1265
HWTLB86	791720	2589	blastx.2	hypothetical protein DKFZp434N0535.1 - human (fragment)	pit T17285 T17285	99%	1	1107
HWTBX66	732187	2590	blastx.2	(AJ276505) tumor suppressing subtransferable candidate 5 [Mus 1]	emb CAC16401.2	35% 28%	30 513	317 989
HYAAD61	897736	2592	blastx.2	ATPASE SUBUNIT 6.	sp Q9T9W0 Q9T9W0	94% 47%	2006 1036	2179 1101
HYBAP75	853561	2594	blastx.2	UNNAMED PROTEIN PRODUCT.	sp Q9N032 Q9N032	64%	909	1025
HYBBD81	533784	2597	blastx.2	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]	gb AAF19568.1 AC01170 8_11	38% 75% 35% 34%	444 183 604 604	112 100 515 509

[117] Table 2 further characterizes certain encoded polypeptides of the invention, by providing the results of comparisons to protein and protein family databases. The first column provides a unique clone identifier, "Clone ID NO:", corresponding to a cDNA clone disclosed in Table 1A and/or Table 1B. The second column provides the unique contig identifier, "Contig ID:" which allows correlation with the information in Table 1B. The third column provides the sequence identifier, "SEQ ID NO:", for the contig polynucleotide sequences. The fourth column provides the analysis method by which the homology/identity disclosed in the Table was determined. The fifth column provides a description of the PFAM/NR hit identified by each analysis. Column six provides the accession number of the PFAM/NR hit disclosed in the fifth column. Column seven, score/percent identity, provides a quality score or the percent identity, of the hit disclosed in column five. Comparisons were made between polypeptides encoded by polynucleotides of the invention and a non-redundant protein database (herein referred to as "NR"), or a database of protein families (herein referred to as "PFAM"), as described below.

[118] The NR database, which comprises the NBRF PIR database, the NCBI GenPept database, and the SIB SwissProt and TrEMBL databases, was made non-redundant using the computer program nrdb2 (Warren Gish, Washington University in Saint Louis). Each of the polynucleotides shown in Table 1B, column 3 (e.g., SEQ ID NO:X or the 'Query' sequence) was used to search against the NR database. The computer program BLASTX was used to compare a 6-frame translation of the Query sequence to the NR database (for information about the BLASTX algorithm please see Altshul et al., J. Mol. Biol. 215:403-410 (1990), and Gish and States, Nat. Genet. 3:266-272 (1993). A description of the sequence that is most similar to the Query sequence (the highest scoring 'Subject') is shown in column five of Table 2 and the database accession number for that sequence is provided in column six. The highest scoring 'Subject' is reported in Table 2 if (a) the estimated probability that the match occurred by chance alone is less than $1.0e-07$, and (b) the match was not to a known repetitive element. BLASTX returns alignments of short polypeptide segments of the Query and Subject sequences which share a high degree of similarity; these segments are known as High-Scoring Segment Pairs or HSPs. Table 2 reports the degree of similarity between the Query and the Subject for each HSP as a percent identity in Column 7. The percent identity is determined by dividing the number of exact matches between the two aligned sequences in the HSP, dividing by the number of Query amino acids in the HSP and multiplying by 100. The polynucleotides of SEQ ID

NO:X which encode the polypeptide sequence that generates an HSP are delineated by columns 8 and 9 of Table 2.

[119] The PFAM database, PFAM version 2.1, (Sonnhammer, Nucl. Acids Res., 26:320-322, 1998))consists of a series of multiple sequence alignments; one alignment for each protein family. Each multiple sequence alignment is converted into a probability model called a Hidden Markov Model, or HMM, that represents the position-specific variation among the sequences that make up the multiple sequence alignment (see, e.g., Durbin, et al., *Biological sequence analysis: probabilistic models of proteins and nucleic acids*, Cambridge University Press, 1998 for the theory of HMMs). The program HMMER version 1.8 (Sean Eddy, Washington University in Saint Louis) was used to compare the predicted protein sequence for each Query sequence (SEQ ID NO:Y in Table 1B) to each of the HMMs derived from PFAM version 2.1. A HMM derived from PFAM version 2.1 was said to be a significant match to a polypeptide of the invention if the score returned by HMMER 1.8 was greater than 0.8 times the HMMER 1.8 score obtained with the most distantly related known member of that protein family. The description of the PFAM family which shares a significant match with a polypeptide of the invention is listed in column 5 of Table 2, and the database accession number of the PFAM hit is provided in column 6. Column 7 provides the score returned by HMMER version 1.8 for the alignment. Columns 8 and 9 delineate the polynucleotides of SEQ ID NO:X which encode the polypeptide sequence which show a significant match to a PFAM protein family.

[120] As mentioned, columns 8 and 9 in Table 2, "NT From" and "NT To", delineate the polynucleotides of "SEQ ID NO:X" that encode a polypeptide having a significant match to the PFAM/NR database as disclosed in the fifth column. In one embodiment, the invention provides a protein comprising, or alternatively consisting of, a polypeptide encoded by the polynucleotides of SEQ ID NO:X delineated in columns 8 and 9 of Table 2. Also provided are polynucleotides encoding such proteins, and the complementary strand thereto.

[121] The nucleotide sequence SEQ ID NO:X and the translated SEQ ID NO:Y are sufficiently accurate and otherwise suitable for a variety of uses well known in the art and described further below. For instance, the nucleotide sequences of SEQ ID NO:X are useful for designing nucleic acid hybridization probes that will detect nucleic acid sequences contained in SEQ ID NO:X or the cDNA contained in Clone ID NO:Z. These probes will also hybridize to nucleic acid molecules in biological samples, thereby

enabling immediate applications in chromosome mapping, linkage analysis, tissue identification and/or typing, and a variety of forensic and diagnostic methods of the invention. Similarly, polypeptides identified from SEQ ID NO:Y may be used to generate antibodies which bind specifically to these polypeptides, or fragments thereof, and/or to the polypeptides encoded by the cDNA clones identified in, for example, Table 1A and/or 1B.

[122] Nevertheless, DNA sequences generated by sequencing reactions can contain sequencing errors. The errors exist as misidentified nucleotides, or as insertions or deletions of nucleotides in the generated DNA sequence. The erroneously inserted or deleted nucleotides cause frame shifts in the reading frames of the predicted amino acid sequence. In these cases, the predicted amino acid sequence diverges from the actual amino acid sequence, even though the generated DNA sequence may be greater than 99.9% identical to the actual DNA sequence (for example, one base insertion or deletion in an open reading frame of over 1000 bases).

[123] Accordingly, for those applications requiring precision in the nucleotide sequence or the amino acid sequence, the present invention provides not only the generated nucleotide sequence identified as SEQ ID NO:X, and a predicted translated amino acid sequence identified as SEQ ID NO:Y, but also a sample of plasmid DNA containing cDNA Clone ID NO:Z (e.g., as set forth in columns 2 and 3 of Table 1A and/or as set forth, for example, in Table 1B, 6, and 7). The nucleotide sequence of each deposited clone can readily be determined by sequencing the deposited clone in accordance with known methods. Further, techniques known in the art can be used to verify the nucleotide sequences of SEQ ID NO:X.

[124] The predicted amino acid sequence can then be verified from such deposits. Moreover, the amino acid sequence of the protein encoded by a particular clone can also be directly determined by peptide sequencing or by expressing the protein in a suitable host cell containing the deposited human cDNA, collecting the protein, and determining its sequence.

RACE Protocol For Recovery of Full-Length Genes

[125] Partial cDNA clones can be made full-length by utilizing the rapid amplification of cDNA ends (RACE) procedure described in Frohman, M.A., et al., Proc. Nat'l. Acad. Sci. USA, 85:8998-9002 (1988). A cDNA clone missing either the 5' or 3' end can be reconstructed to include the absent base pairs extending to the translational start or stop

codon, respectively. In some cases, cDNAs are missing the start codon of translation, therefor. The following briefly describes a modification of this original 5' RACE procedure. Poly A⁺ or total RNA is reverse transcribed with Superscript II (Gibco/BRL) and an antisense or complementary primer specific to the cDNA sequence. The primer is removed from the reaction with a Microcon Concentrator (Amicon). The first-strand cDNA is then tailed with dATP and terminal deoxynucleotide transferase (Gibco/BRL). Thus, an anchor sequence is produced which is needed for PCR amplification. The second strand is synthesized from the dA-tail in PCR buffer, Taq DNA polymerase (Perkin-Elmer Cetus), an oligo-dT primer containing three adjacent restriction sites (XhoI, SalI and ClaI) at the 5' end and a primer containing just these restriction sites. This double-stranded cDNA is PCR amplified for 40 cycles with the same primers as well as a nested cDNA-specific antisense primer. The PCR products are size-separated on an ethidium bromide-agarose gel and the region of gel containing cDNA products the predicted size of missing protein-coding DNA is removed. cDNA is purified from the agarose with the Magic PCR Prep kit (Promega), restriction digested with XhoI or SalI, and ligated to a plasmid such as pBluescript SKII (Stratagene) at XhoI and EcoRV sites. This DNA is transformed into bacteria and the plasmid clones sequenced to identify the correct protein-coding inserts. Correct 5' ends are confirmed by comparing this sequence with the putatively identified homologue and overlap with the partial cDNA clone. Similar methods known in the art and/or commercial kits are used to amplify and recover 3' ends.

[126] Several quality-controlled kits are commercially available for purchase. Similar reagents and methods to those above are supplied in kit form from Gibco/BRL for both 5' and 3' RACE for recovery of full length genes. A second kit is available from Clontech which is a modification of a related technique, SLIC (single-stranded ligation to single-stranded cDNA), developed by Dumas et al., *Nucleic Acids Res.*, 19:5227-32 (1991). The major differences in procedure are that the RNA is alkaline hydrolyzed after reverse transcription and RNA ligase is used to join a restriction site-containing anchor primer to the first-strand cDNA. This obviates the necessity for the dA-tailing reaction which results in a polyT stretch that is difficult to sequence past.

[127] An alternative to generating 5' or 3' cDNA from RNA is to use cDNA library double-stranded DNA. An asymmetric PCR-amplified antisense cDNA strand is synthesized with an antisense cDNA-specific primer and a plasmid-anchored primer. These primers are removed and a symmetric PCR reaction is performed with a nested cDNA-specific antisense primer and the plasmid-anchored primer.

RNA Ligase Protocol For Generating The 5' or 3' End Sequences To Obtain Full Length Genes

[128] Once a gene of interest is identified, several methods are available for the identification of the 5' or 3' portions of the gene which may not be present in the original cDNA plasmid. These methods include, but are not limited to, filter probing, clone enrichment using specific probes and protocols similar and identical to 5' and 3' RACE. While the full length gene may be present in the library and can be identified by probing, a useful method for generating the 5' or 3' end is to use the existing sequence information from the original cDNA to generate the missing information. A method similar to 5' RACE is available for generating the missing 5' end of a desired full-length gene. (This method was published by Fromont-Racine et al., *Nucleic Acids Res.*, 21(7):1683-1684 (1993)). Briefly, a specific RNA oligonucleotide is ligated to the 5' ends of a population of RNA presumably containing full-length gene RNA transcript and a primer set containing a primer specific to the ligated RNA oligonucleotide and a primer specific to a known sequence of the gene of interest, is used to PCR amplify the 5' portion of the desired full length gene which may then be sequenced and used to generate the full length gene. This method starts with total RNA isolated from the desired source, poly A RNA may be used but is not a prerequisite for this procedure. The RNA preparation may then be treated with phosphatase if necessary to eliminate 5' phosphate groups on degraded or damaged RNA which may interfere with the later RNA ligase step. The phosphatase if used is then inactivated and the RNA is treated with tobacco acid pyrophosphatase in order to remove the cap structure present at the 5' ends of messenger RNAs. This reaction leaves a 5' phosphate group at the 5' end of the cap cleaved RNA which can then be ligated to an RNA oligonucleotide using T4 RNA ligase. This modified RNA preparation can then be used as a template for first strand cDNA synthesis using a gene specific oligonucleotide. The first strand synthesis reaction can then be used as a template for PCR amplification of the desired 5' end using a primer specific to the ligated RNA oligonucleotide and a primer specific to the known sequence of the gene of interest. The resultant product is then sequenced and analyzed to confirm that the 5' end sequence belongs to the relevant gene.

[129] The present invention also relates to vectors or plasmids which include such DNA sequences, as well as the use of the DNA sequences. The material deposited with the ATCC (e.g., as described in columns 2 and 3 of Table 1A, and/or as set forth in Table 1B,

Table 6, or Table 7) is a mixture of cDNA clones derived from a variety of human tissue and cloned in either a plasmid vector or a phage vector, as described, for example, in Table 1A and Table 7. These deposits are referred to as "the deposits" herein. The tissues from which some of the clones were derived are listed in Table 7, and the vector in which the corresponding cDNA is contained is also indicated in Table 7. The deposited material includes cDNA clones corresponding to SEQ ID NO:X described, for example, in Table 1A and/or 1B (Clone ID NO:Z). A clone which is isolatable from the ATCC Deposits by use of a sequence listed as SEQ ID NO:X, may include the entire coding region of a human gene or in other cases such clone may include a substantial portion of the coding region of a human gene. Furthermore, although the sequence listing may in some instances list only a portion of the DNA sequence in a clone included in the ATCC Deposits, it is well within the ability of one skilled in the art to sequence the DNA included in a clone contained in the ATCC Deposits by use of a sequence (or portion thereof) described in, for example Tables 1A and/or 1B or 2, by procedures hereinafter further described, and others apparent to those skilled in the art.

[130] Also provided in Table 1A and 7 is the name of the vector which contains the cDNA clone. Each vector is routinely used in the art. The following additional information is provided for convenience.

[131] Vectors Lambda Zap (U.S. Patent Nos. 5,128,256 and 5,286,636), Uni-Zap XR (U.S. Patent Nos. 5,128, 256 and 5,286,636), Zap Express (U.S. Patent Nos. 5,128,256 and 5,286,636), pBluescript (pBS) (Short, J. M. et al., *Nucleic Acids Res.* 16:7583-7600 (1988); Alting-Mees, M. A. and Short, J. M., *Nucleic Acids Res.* 17:9494 (1989)) and pBK (Alting-Mees, M. A. et al., *Strategies* 5:58-61 (1992)) are commercially available from Stratagene Cloning Systems, Inc., 11011 N. Torrey Pines Road, La Jolla, CA, 92037. pBS contains an ampicillin resistance gene and pBK contains a neomycin resistance gene. Phagemid pBS may be excised from the Lambda Zap and Uni-Zap XR vectors, and phagemid pBK may be excised from the Zap Express vector. Both phagemids may be transformed into *E. coli* strain XL-1 Blue, also available from Stratagene.

[132] Vectors pSport1, pCMVSPORT 1.0, pCMVSPORT 2.0 and pCMVSPORT 3.0, were obtained from Life Technologies, Inc., P. O. Box 6009, Gaithersburg, MD 20897. All Sport vectors contain an ampicillin resistance gene and may be transformed into *E. coli* strain DH10B, also available from Life Technologies. See, for instance, Gruber, C. E., et al., *Focus* 15:59- (1993). Vector lafmid BA (Bento Soares, Columbia University, New York, NY) contains an ampicillin resistance gene and can be transformed into *E. coli*

strain XL-1 Blue. Vector pCR[®]2.1, which is available from Invitrogen, 1600 Faraday Avenue, Carlsbad, CA 92008, contains an ampicillin resistance gene and may be transformed into *E. coli* strain DH10B, available from Life Technologies. See, for instance, Clark, J. M., *Nuc. Acids Res.* 16:9677-9686 (1988) and Mead, D. *et al.*, *Bio/Technology* 9: (1991).

[133] The present invention also relates to the genes corresponding to SEQ ID NO:X, SEQ ID NO:Y, and/or the deposited clone (Clone ID NO:Z). The corresponding gene can be isolated in accordance with known methods using the sequence information disclosed herein. Such methods include preparing probes or primers from the disclosed sequence and identifying or amplifying the corresponding gene from appropriate sources of genomic material.

[134] Also provided in the present invention are allelic variants, orthologs, and/or species homologs. Procedures known in the art can be used to obtain full-length genes, allelic variants, splice variants, full-length coding portions, orthologs, and/or species homologs of genes corresponding to SEQ ID NO:X or the complement thereof, polypeptides encoded by genes corresponding to SEQ ID NO:X or the complement thereof, and/or the cDNA contained in Clone ID NO:Z, using information from the sequences disclosed herein or the clones deposited with the ATCC. For example, allelic variants and/or species homologs may be isolated and identified by making suitable probes or primers from the sequences provided herein and screening a suitable nucleic acid source for allelic variants and/or the desired homologue.

[135] The polypeptides of the invention can be prepared in any suitable manner. Such polypeptides include isolated naturally occurring polypeptides, recombinantly produced polypeptides, synthetically produced polypeptides, or polypeptides produced by a combination of these methods. Means for preparing such polypeptides are well understood in the art.

[136] The polypeptides may be in the form of the secreted protein, including the mature form, or may be a part of a larger protein, such as a fusion protein (see below). It is often advantageous to include an additional amino acid sequence which contains secretory or leader sequences, pro-sequences, sequences which aid in purification, such as multiple histidine residues, or an additional sequence for stability during recombinant production.

[137] The polypeptides of the present invention are preferably provided in an isolated form, and preferably are substantially purified. A recombinantly produced version of a polypeptide, including the secreted polypeptide, can be substantially purified using

techniques described herein or otherwise known in the art, such as, for example, by the one-step method described in Smith and Johnson, Gene 67:31-40 (1988). Polypeptides of the invention also can be purified from natural, synthetic or recombinant sources using techniques described herein or otherwise known in the art, such as, for example, antibodies of the invention raised against the polypeptides of the present invention in methods which are well known in the art.

[138] The present invention provides a polynucleotide comprising, or alternatively consisting of, the nucleic acid sequence of SEQ ID NO:X, and/or the cDNA sequence contained in Clone ID NO:Z. The present invention also provides a polypeptide comprising, or alternatively, consisting of, the polypeptide sequence of SEQ ID NO:Y, a polypeptide encoded by SEQ ID NO:X or a complement thereof, a polypeptide encoded by the cDNA contained in Clone ID NO:Z, and/or the polypeptide sequence encoded by a nucleotide sequence in SEQ ID NO:B as defined in column 6 of Table 1C. Polynucleotides encoding a polypeptide comprising, or alternatively consisting of, the polypeptide sequence of SEQ ID NO:Y, a polypeptide encoded by SEQ ID NO:X, a polypeptide encoded by the cDNA contained in Clone ID NO:Z, and/or a polypeptide sequence encoded by a nucleotide sequence in SEQ ID NO:B as defined in column 6 of Table 1C are also encompassed by the invention. The present invention further encompasses a polynucleotide comprising, or alternatively consisting of, the complement of the nucleic acid sequence of SEQ ID NO:X, a nucleic acid sequence encoding a polypeptide encoded by the complement of the nucleic acid sequence of SEQ ID NO:X, and/or the cDNA contained in Clone ID NO:Z.

[139] Moreover, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in Table 1C column 6, or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in Table 1C column 6, or any combination thereof. In further embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in Table 1C, column 6, and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1C, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in Table 1C, column 6, and have a nucleic

acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in Table 1C, column 6, and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides and polypeptides are also encompassed by the invention.

[140] Further, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1C which correspond to the same Clone ID NO:Z (see Table 1C, column 1), or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in column 6 of Table 1C which correspond to the same Clone ID NO:Z (see Table 1C, column 1), or any combination thereof. In further embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1C which correspond to the same Clone ID NO:Z (see Table 1C, column 1) and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1C, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1C which correspond to the same Clone ID NO:Z (see Table 1C, column 1) and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1C which correspond to the same Clone ID NO:Z (see Table 1C, column 1) and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides and polypeptides are also encompassed by the invention.

[141] Further, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1C which correspond to the same contig sequence identifier SEQ ID NO:X (see Table 1C, column 2), or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in column 6 of Table 1C which correspond to the same contig sequence identifier SEQ ID NO:X (see Table 1C, column 2), or any combination thereof. In further embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1C which correspond to the same contig sequence identifier SEQ ID NO:X (see Table 1C, column 2) and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1C, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1C which correspond to the same contig sequence identifier SEQ ID NO:X (see Table 1C, column 2) and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1C which correspond to the same contig sequence identifier SEQ ID NO:X (see Table 1C, column 2) and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (See Table 1C, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides and polypeptides are also encompassed by the invention.

[142] Moreover, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in the same row of Table 1C column 6, or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in the same row of Table 1C column 6, or any combination thereof. In preferred embodiments, the polynucleotides of

the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in the same row of Table 1C column 6, wherein sequentially delineated sequences in the table (i.e. corresponding to those exons located closest to each other) are directly contiguous in a 5' to 3' orientation. In further embodiments, above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in the same row of Table 1C, column 6, and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1C, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in the same row of Table 1C, column 6, and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in the same row of Table 1C, column 6, and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (see Table 1C, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

[143] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1C, and the polynucleotide sequence of SEQ ID NO:X (e.g., as defined in Table 1C, column 2) or fragments or variants thereof. Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

[144] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1C which correspond to the same Clone ID NO:Z (see Table 1C, column 1), and the polynucleotide sequence of SEQ ID NO:X (e.g., as defined in Table 1A, 1B, or 1C) or fragments or variants thereof. In preferred embodiments, the delineated sequence(s) and polynucleotide sequence of SEQ ID NO:X correspond to the same Clone ID NO:Z. Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

[145] In further specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in the same row of column 6 of Table 1C, and the polynucleotide sequence of SEQ ID NO:X (e.g., as defined in Table 1A, 1B, or 1C) or fragments or variants thereof. In preferred embodiments, the delineated sequence(s) and polynucleotide sequence of SEQ ID NO:X correspond to the same row of column 6 of Table 1C. Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

[146] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1C and the 5' 10 polynucleotides of the sequence of SEQ ID NO:X are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[147] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1C and the 5' 10 polynucleotides of a fragment or variant of the sequence of SEQ ID NO:X are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[148] In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of the sequence of SEQ ID NO:X and the 5' 10 polynucleotides of the sequence of one of the

sequences delineated in column 6 of Table 1C are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[149] In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of a fragment or variant of the sequence of SEQ ID NO:X and the 5' 10 polynucleotides of the sequence of one of the sequences delineated in column 6 of Table 1C are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides, are also encompassed by the invention.

[150] In further specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1C and the 5' 10 polynucleotides of another sequence in column 6 are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[151] In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1C and the 5' 10 polynucleotides of

another sequence in column 6 corresponding to the same Clone ID NO:Z (see Table 1C, column 1) are directly contiguous. Nucleic acids which hybridize to the complement of these 20 lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[152] In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one sequence in column 6 corresponding to the same contig sequence identifier SEQ ID NO:X (see Table 1C, column 2) are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[153] In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1C and the 5' 10 polynucleotides of another sequence in column 6 corresponding to the same row are directly contiguous. In preferred embodiments, the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1C is directly contiguous with the 5' 10 polynucleotides of the next sequential exon delineated in Table 1C, column 6. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[154] Many polynucleotide sequences, such as EST sequences, are publicly available and accessible through sequence databases and may have been publicly available prior to conception of the present invention. Preferably, such related polynucleotides are specifically excluded from the scope of the present invention. Accordingly, for each contig sequence (SEQ ID NO:X) listed in the fifth column of Table 1A and/or the fourth column of Table 1B, preferably excluded are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 and the final nucleotide minus 15 of SEQ ID NO:X, b is an integer of 15 to the final nucleotide of SEQ ID NO:X, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:X, and where b is greater than or equal to a + 14. More specifically, preferably excluded are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a and b are integers as defined in columns 4 and 5, respectively, of Table 3. In specific embodiments, the polynucleotides of the invention do not consist of at least one, two, three, four, five, ten, or more of the specific polynucleotide sequences referenced by the Genbank Accession No. as disclosed in column 6 of Table 3 (including for example, published sequence in connection with a particular BAC clone). In further embodiments, preferably excluded from the invention are the specific polynucleotide sequence(s) contained in the clones corresponding to at least one, two, three, four, five, ten, or more of the available material having the accession numbers identified in the sixth column of this Table (including for example, the actual sequence contained in an identified BAC clone). In no way is this listing meant to encompass all of the sequences which may be excluded by the general formula, it is just a representative example. All references available through these accessions are hereby incorporated by reference in their entirety.

TABLE 3

Clone ID NO: Z	SEQ ID NO: X	Contig ID:	EST Disclaimer		Accession #'s
			Range of a	Range of b	
H2CBD20	11	570796	1 - 1242	15 - 1256	AA307235, AI002535, and AL110292.
H2CBH91	12	826669	1 - 1746	15 - 1760	AW513036, AA987293, AA514234, AA527326, AI042506, AA307523, BF434189, AW027392, AI830125, AI082564, BE465081, BE930938, AW137220, BE207383, AA595583, AW592017, AW149821, AI080114, AW407521, AA515071, AW954673, BF978370, AW972013, AI702884, AA699914, BF308679, AA664812,

					AA057192, H30341, AA810167, BE298153, H19982, BE934692, AA010016, H30276, Z28643, W96528, BF746707, AA916894, AI565193, BE694224, BF025844, BE409534, BE091031, W96424, AA057126, AA629693, BE302462, AK000364, AF260012, AF260012, and AF260012.
H2LBA54	13	684290	1 - 1515	15 - 1529	AL533221, AU118215, AW967448, BE858694, W05793, BE881068, BE785689, AV722687, AW511394, AW854145, AU127733, BF679080, AI831755, AW162644, AW854285, AW299694, BG259735, AU136457, AI929569, AA316000, AI815769, BG024726, BE091033, BG027272, AI990740, AW854276, BF765904, BE379291, AI908478, C18225, AW161087, AA773846, AI653140, AU126756, BE090921, AI814482, AI654046, AW466987, AU144842, BF939610, BF060669, AI582346, AI434826, AI924047, AW295587, AW439794, AU156733, BF001735, AI804186, AW673465, AW006893, R75961, AI420472, AA251276, AI561045, AA804539, BF003083, AU150205, AW675786, AI017430, AI278043, BE087891, AI815392, AW362310, AI275554, AA237041, AW139772, AW006914, AW194004, AI248944, AI921939, AI160403, AW519320, AI246300, AI802110, AI954701, R39810, AW971515, N95381, AI695795, AI016984, AA629602, BF037404, R14042, R24731, R24431, AA808210, AW516604, AW177131, AW362546, T98372, AI203144, AI420225, AI242952, BE778569, AA321616, AA441948, AA247315, BF807374, R45462, BE931172, AW768315, T63304, BE547877, AW993858, T63056, AW134916, R24432, T98373, AA329617, N75057, AA886625, Y11588, AK001899, AL022067, AL138917, AL133509, and AX008043.
H2LBB09	14	658667	1 - 2100	15 - 2114	AW967455, BF792989, BE897386, BE897270, BE896034, BG110036, BE644929, BE892971, BF216672, BE537789, BF967796, AI524819, BF967358, AW392948, BE614067, AW025437, BE889901, BF213522, AI147405, W56394, AI471511, AI628532, AI701894, BF240675, BF102752, AI554184, AI680087, BE614548, BF215162, AI093424, BF029938, AI393786, AW028721, AA583021, AI830475, AA768782, BE466503, AW957941, AA631201, AI768164, AW380434, AI800211, BF102559, AA582924, AW338354, AA233633, AI174427, AA251178, BE540900, AI224000, AI127578, W37364, AW474864, AI569643, BF031354, AA587688, W37343, AI936371, AW769226, H79089, BF681005, AI867157, R20279, AA167027, AW183118, AA307144, AI682744, AW391600, BE568318, AA316064, W04717, AA885916, AA308645, AA594136, H72619, BE242068, AI633349, T15899, AI908564, AW275540,

					AA813805, AA167078, AI394083, AA233790, AV736699, W31819, T10866, H72620, AI282782, R41820, AW338355, H79090, BF592065, BE965919, AW957390, AA764944, AA577124, T03642, R43618, AA593183, AA371318, D59359, AA643994, BF879233, BE932872, BE042421, BF797086, AA251076, AK000796, AX048110, AF151044, and AC015863.
H2LBB09	15	830636	1 - 2144	15 - 2158	AW967455, BF792989, BE897386, BE897270, BE896034, BF967358, BG110036, BE889901, BE644929, BE892971, BF216672, BE537789, BF967796, AW392948, AI524819, BE614067, AW025437, BF213522, BF029938, AI147405, W56394, AI471511, AI628532, AI701894, BF102752, BF240675, AI554184, AI680087, BE614548, AI093424, BF215162, AA251178, AI393786, AW028721, AA583021, BE540900, AI830475, AA768782, BE466503, AW957941, AA631201, AI768164, BF031354, AW380434, BE568318, AI800211, BF102559, AA582924, AA233633, AW338354, AI174427, AA307144, AI224000, AI127578, W37364, AW474864, AI569643, H72619, AA587688, W37343, AI936371, AW769226, H79089, BF681005, R20279, AI867157, AA167027, AW183118, AI682744, AW391600, W04717, AA316064, AA885916, AA308645, AA594136, AV736699, BE242068, AI633349, T15899, AI908564, AW275540, AA813805, AW957390, AI394083, AA233790, AA167078, W31819, T10866, H72620, AI282782, R41820, AW338355, H79090, BF592065, BE965919, AA371318, AA764944, AA577124, T03642, R43618, AA593183, D59359, AA643994, BF879233, BE932872, BE042421, BF797086, AA251076, BE122895, AK000796, AX048110, AF151044, and AC015863.
H2MAC63	16	610045	1 - 429	15 - 443	AW954697, BF510229, AI608952, AI963459, AW182396, AI223046, AA627631, AA308164, AA121095, W67308, W67212, AA535549, AI916825, AL040648, AW196453, BE908394, AI807794, AA122350, AW517665, AA150593, AA992215, AI598010, AA316458, BF507914, BE140848, BE140845, BF915208, BE885353, BE963838, BE613727, BG109270, BE393551, BE965432, BF753053, AW983824, AW023590, BE875407, BF814409, AI251830, AW083804, AA641818, AI538885, BF909758, BE964497, AW059828, BG035988, AW263569, BE966011, AI340603, AW194014, AI345253, BG111535, AI310575, AI340627, BF337590, BF035653, AA420722, BE965067, AI564716, AW082040, AA888196, AI310606, BE964767, AI340533, AI370392, AI348854, AI491904, AI340511, BE011885, AI289791, AW022682, AW022102, AW950220, AW167397,

				AL080046, AL080045, AI539711, AA767122, AV702430, BF882334, W28979, BE875959, H41759, AV682496, AI624304, AI619781, AI251221, AI866608, BE964700, BG179295, AI918634, AA514684, BG025770, BE743507, AW162071, AI866002, BE966388, AI343091, AI636719, AA738104, AI312428, AW827103, BF814360, AI867042, BE965355, AA579232, AL119836, BG168549, BE963918, BF910810, AW020095, AW168425, BF038804, AI224992, BE965621, AW082623, AW235028, BF814357, AL514803, AI696626, AI952360, AA635382, AI336495, AI345677, BF798503, AI310582, AI524526, BF904194, N22276, AW162189, AA768119, AV736808, BF815196, AI345737, AI361701, BE047952, BE245461, AL120854, AI612843, BE965599, AI589993, AI345736, AI366992, AV757546, AI860897, AI591074, AA494167, BE892572, AV682109, AV746964, AI307736, AV655280, BE965192, AA847198, AW102785, AW834325, AI349186, AL041229, AI611743, AI590761, BE964665, AI540633, AI590645, AI345745, AI336634, AV681857, AV682351, BE621256, AV717730, AI334895, AI932970, BE548914, BG026428, BE967016, BE538466, BF924882, BE904851, AV682624, BE885490, AI640379, BE965758, AW151451, AV693527, AI784233, AV681716, AI799199, BF921092, BG058039, BF525838, W48671, AV707816, BE967113, AV682584, BE962903, AL049085, BE964281, BE965281, BF924897, AI440091, BE965527, AI891157, BG179438, AW409772, BE963824, BE909285, AI623736, BG033267, AV758017, AI452857, AV685966, AI683714, AI348897, AW020710, AI917959, AI469119, AW083572, AI284509, BE906419, BE881429, BE139128, AA579225, AV682441, AI285431, AV713908, AV713988, BG168185, BG166654, BF752252, BE738055, AW192226, AA837508, BF815930, AI133489, AL519188, BF816455, BF811780, BF910849, AW088134, AI470717, BG259675, AI580240, AI696956, AI874351, AW827206, AI494201, AI609059, AI874410, AI352535, AF086255, AL157482, AF188698, AK026522, AL137656, U78525, AF242525, AF130077, AF087943, Y13350, AF110640, AL137558, AL389939, AF305835, AK026542, AL122050, AL389978, I48978, AF116610, U58996, U30290, AK026504, AF119856, A90832, A08913, AL389935, AK025084, A08912, AF113699, A08911, AL049283, AF111847, AR011880, I89947, M30514, AF130099, A93016, S76508, Y10655, U83980, AK026353, AL122121, AB049892, AL050024, I03321, AL137550, S78214, A08910, AL137283, A08909, AF130055, AL122098, I89931, AF175903, S36676, AF141289, U00686, I66342,
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					<p>AF040751, AF178432, S77771, AB019565, AF113694, AR087170, A08907, A08908, AF116644, AK000212, AK025349, AL137554, AF217982, AR068466, AF266204, AF207829, AL080060, L13297, AX014095, AK026784, AR038854, U75932, AF119878, AK026583, AK026045, AL049314, AK025491, AR059958, E01573, E02319, AK026533, AB031064, AK026086, AL137557, AR075044, AF069506, AF118090, AF119909, AL117583, AX045627, I17767, AF094480, AF207751, AF130087, AK025015, E08631, AB052200, AK026434, AL390154, AL353952, Y07905, AJ245569, AF113013, I29004, AL390167, E03348, AF113689, AK026480, AF218014, AK026630, AL080234, AB050431, AF090900, AL353956, AL050092, AL080163, U72620, AX019230, AF271350, S61953, A18777, AB047615, AL162006, AX015425, AK025798, AK026603, AF000301, AB051158, AL162085, L04504, I89934, AF130104, AF090934, AF100931, AF118064, AL109672, AF111851, Z30970, U95114, E07108, AF267849, S68736, AL117435, AL110222, AL137548, AX019229, A08916, I08319, AF116698, AK026647, AL136884, M79462, AB041801, AR009628, AB050534, AK025414, AK024538, AF116649, AK026927, AK025772, X06146, AL136842, AL353935, AL117432, A21101, AL110225, E12747, AL110159, AR050959, AK000652, AL137429, AL137555, AK027116, AF132205, AF218031, AK025391, X99257, AL110196, A83556, D89079, X70685, X80340, AX005848, AX005804, AL050280, AK027146, AL117585, Y09972, AK025312, AK026452, AK000618, AF125948, AF113676, AB049758, AX006092, E12580, AL110228, AL080137, X73361, AL080129, AJ012755, AL110280, AL122123, X57961, AK000486, AF116682, AL137463, AK026649, AK026865, AK024524, AL359941, AK027102, AB050407, AF090943, AF028823, AL117438, AF225424, AF076633, AB050421, AR083279, AK000285, X59812, U68233, AF132730, I92592, AF116602, AF219137, AK024855, AK027188, AF058921, E12579, S69407, AL353940, AL050138, E01614, E13364, AL137480, AF260436, AK026608, D55641, AF100781, AF116688, AC019122, AC019122, and AC019122.</p>
H2MBA76	17	826161	1 - 1301	15 - 1315	<p>BE274365, BE675910, AW973401, AA523268, AA857324, AA599254, AA948681, AU150254, AI362652, AA314840, AI309067, AA622903, AI560750, AI184674, AA552940, AA857000, AW073749, AA828342, R06650, D61287, AI695465, AI655714, AI149910, AA398691, AA856657,</p>

					<p>AI263841, AA469105, AI445784, T99337, AW339418, BF699041, BF804254, T99336, AI948866, AA613108, AA886221, AA426486, BE825959, AW152182, AL514455, AW193530, AL523067, BF525423, AI633125, AI469112, BF669151, AI583065, AL515299, AI538564, AL514493, AI701097, AW090550, AI241744, AI719817, AI677796, AI591387, AI432030, AI633000, BF811804, AI338876, BF970652, AI702073, BF752997, AW105591, AI445025, BG122005, AA815283, AI570909, AI579901, AL513947, BE966550, BE965805, AA835801, BG120398, AI635016, AW008226, AI357940, AI364167, BF724894, AI500714, AW087207, AI884318, AA019328, AI670009, AW081322, AI499570, BF929585, BF215638, AI476478, BG181066, AW149329, AI419826, BF812961, AI627893, AI590043, AI587114, AI075885, AI564719, AW075667, AI420136, AI366900, AI915291, AW104724, AI612852, AI524677, AW149311, AI433157, AW104827, AI866419, AI744268, AI610690, AI499131, AI909697, AL513807, AI469532, AL514731, AI812107, AI638644, AL515195, AW148408, AW083572, AW198090, AW129722, AI362248, AW073270, AL514951, AL514701, AI951868, AL514867, AI567128, AI863241, AI370623, AI921464, AW190194, AI584130, AI687362, AW192701, BE967261, AL530683, AI434969, BE964070, AW168452, AW191844, AI912356, AL514511, AW148882, BE965171, AI568293, AL514357, AI866801, AL514063, AI627988, AW075381, AW167228, AI619662, AI698391, AI567846, AL515413, AI374987, AL513577, N21402, AI445829, AW087866, AI889189, AI340982, AI423631, AL514079, AI866469, AW148363, AI934259, AW073865, AI453229, AW080090, BF812938, AW004606, AL137265, AK001412, AB028975, AL117632, AX015915, AF061981, X68560, AL080159, AL117636, S82852, AL117587, AL117439, AK027052, AF161413, X99971, AK027209, L25851, I33984, A31001, AK026746, I89947, AC020997, AC020997, AC020997, AP001822, and AP001822.</p>
H2MBF60	18	695714	1 - 1160	15 - 1174	<p>BG023808, AI609002, AI765146, AI934506, BG117624, BE780571, BG164482, BG164276, BE882192, AI609267, AI872127, BG028131, AI498150, BF965743, BE538269, AW954707, BF980450, BE890012, BE870774, AA721085, BE904299, BF576903, AW168215, AA308443, BF105118, BE855700, AI831702, BF686036, BF791326, BE888487, AV717548, AV695133, AV691835, AV684243, AW079359, AW474204, BE885497, BE909376, AW138745, AA420537, AA421698, BF308327, BF239451, BG027210, AA743523,</p>

					<p>AV697323, AA975238, BF977250, AI025231, AV694963, AI858375, BE910029, AV690712, AI192924, AI445040, AA676627, H11339, AI493772, BF986381, AA743896, AI879614, BF911752, BF983076, BE567632, BF762958, BF673394, AA287821, BF672123, W51863, AA029766, AI341739, AA166707, AI969855, AA030022, BF725982, AI338073, AL525008, AL521603, AA186668, BF911753, AI805486, AA167048, BF572123, BF913792, AI879232, AW183315, AV694027, BF911747, BF913755, AW072606, N39515, AL525294, AA243684, AA403246, AA137070, AA255929, AI810281, BF911751, N71430, BF669242, AA137142, BF911749, BF913788, AA243818, N59765, H11363, H27053, AW795858, AA626755, AW795864, AA745368, BF911620, BG032858, AW795863, BF878974, H37884, BF762056, AW192501, AA256024, AI274818, AA977876, AA677299, BF693534, H81642, BF512969, T08172, R97471, R97425, AA723528, AA181113, H78109, H94246, AV739228, W04983, BF764866, AA376279, AA807382, AV740754, BF913794, BF911618, AA204916, N78226, BE049573, AA173160, N30090, H89986, BF664913, BE813621, W49569, N99383, H60118, W01605, AW273157, AA053385, AA188287, AV753725, H94147, BF061494, H78110, H59462, H90077, R15884, BG252797, AI560597, H37830, T34451, T30436, AI024763, T34431, N71297, T36197, H81643, AI216888, BF918046, T30865, N24453, BE169077, R09330, AA128964, AA128965, Z21437, BF941000, BF032773, R09219, BE538039, AA095209, AW080571, AI537729, AA321648, N95197, AA877372, BF823265, AA496192, AW605237, N45338, AA748536, BF917501, W49568, AI362283, BF244599, BF911744, AA913904, BG035184, AI146946, AW083156, AA046950, N40879, AW793164, AW793122, AW754493, N56000, N87795, AW754497, AA994869, AA305075, AA447922, AA031331, AW955472, AV756946, AV758524, BF576620, AA742714, BE737339, BE879122, BE270829, BE561457, BF132919, AA446846, BF105823, BE076978, I23471, U21858, U30504, U25112, AF220509, AF077053, U40188, AL049589, AC024247, AF110777, AF151895, AC015470, and AC015470.</p>
H6BSM88	19	609832	1 - 902	15 - 916	<p>AW978875, AW003297, AL041243, AI073978, AA834995, AW977360, AW139781, AI126591, AA768506, N35124, AI082037, AW058163, AW073260, AW590380, BF445405, AW196376, AI970380, AW512288, AI359480, AA970987, AI264055, AA635579, BE567336, AI567903, AA416740, AA736698, AI889005, AI625277,</p>

					AV657838, AI220592, AI768784, AW190903, BE865908, AA847916, AL042521, AA847917, BE244040, BE244353, AL355520, AL137687, AL355520, AL355520, and AL355520.
H6EEA48	20	847111	1 - 1214	15 - 1228	BE729574, AL525054, BE734296, BE549234, BE612600, BE903604, BE745405, BE311981, BE613340, BE899322, BE877226, BE742508, BE379419, BF033662, AI079540, BF339777, BG164618, AW301090, BE788807, BE909447, BF792659, BE747302, BE782991, BE746235, BF686415, BE259564, BG116654, AW245743, AL110467, BE265746, BE382926, BG167167, AI870747, BF316896, AI435074, AI810818, BG249818, AA426021, AI675429, AA443445, AI380916, AW016054, BE254649, BE266690, BF939243, AW197499, AI968701, AI917395, AI085552, AW015418, AI803701, AI627419, AI609029, AA054185, AI243526, BF448768, H68793, AI813835, BE780379, AW271667, BF350582, AA418059, AA838309, N36450, AI184105, H06674, AW245387, N51652, W00635, AA852859, AA428116, AA505926, AI350611, T71376, AI074877, AI813850, H82530, H86659, AI609552, AA993193, H68794, BE829913, AA836943, AA852860, AA557951, BF928087, BF130572, AI499309, BE840422, BE890771, AI623897, R96119, AI867284, AW630507, AW002546, H96259, AA814467, AA443541, AA417955, T71246, F37450, C02248, AA983883, AA746607, AI922550, BF904189, AL119791, BE895765, AW020397, AW089233, AI802654, AW084447, BF342070, BG151388, AW087199, AC011479, AF061943, AX015425, M27260, AF141289, AF067790, AF119857, AL049464, AL442082, AF104032, AF151076, AF225424, AF111851, AR059958, AF116602, I66342, I89947, I48978, AF022813, A08913, AR011880, AF218004, X70685, AF120268, A08916, AF219137, AF113019, AF130099, AF061573, X72387, AX014095, AL080126, AL389935, AF130059, AR079032, AK026583, M30514, AK027146, AK027142, AL137550, AF260566, AL359615, AL117435, A08910, AB049848, AL110171, Y10655, A18777, A08909, AL122111, AK024538, AL161953, E07108, AF200416, AF003737, AF159141, Z82022, AK025209, E06743, I17767, AB038698, A90832, AL137558, AK026542, AL035458, AL110225, AL137656, AF057300, AF057299, I89931, AL137557, AL133093, AK027200, AK025084, A08912, AX027129, X72889, AK026462, AR087170, AL080159, AF017437, AB050510, AX005848, AX005804, AJ012755, AL137479, AF266204, AR038854, AK026629, AF026008, Y16258, Y16257, E02756, Y16256, A08908, U58996,

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H6EEN71	21	829201	1 - 1946	15 - 1960	BE535360, AW953450, BF032572, AL521004, BF527884, AA149520, BE744109, AI417424, BE543948, BF032893, AV684552, AI569685, BE747222, AI922421, AA622224, BG116680, W68071, BG121446, BE392338, BF528885, BF339726, BE910461, BE883558, H24144, BE390757, BE246869, BF315266, BF345863, BE262861, R14904, BE247781, H05924, T08541, T23797, AA368416, BF836387, H81736, AA425537, BF237631, AW294782, AA642024, F10308, R11730, H83454, Z46092, BF033847, H13023, BE545514, R70146, AI422697, AW953617, F09010, AI671120, H11478, AI745582, T74716, AI005017, AW009380, R44067, F12699, BE693654, R05325, BF339133, AA029578, AA092192, F09031, AI150799, AW073919, AI369404, F09019, AI801049, N50570, AA648980, AA713582, AI803677, AA694219, AA029577, AI814086, BE326641,

					<p>AA541284, AI738901, AA928936, AI694573, AA173242, W67448, F11350, AI797162, F11359, AA713581, BF342752, R17704, AI291547, AI741230, AA194160, BF957498, BE843313, AI091925, BE245474, AI341892, AI041721, AI307379, AI525698, R44483, AA194159, AI214559, AI762371, AI917270, AA252503, AA808197, AI086717, AI090572, N50514, AI299732, AI355254, AA234123, Z45009, BE465618, AA082966, AI554197, AI609031, AA610518, W21928, AW024148, AA680375, AI745251, BE772716, BE222724, AA705556, AA469977, N32613, BG236070, W04615, AW972216, AI479398, AI452914, AW008593, AI419378, Z41067, AI040283, AI863080, AI372943, BF685860, F11369, BF513516, H11834, R70147, AA412246, AW079864, AW051983, F07993, AA860793, AW055051, AA133127, H81737, AI741689, AA076524, AA765088, AA715290, AA666334, R19219, Z40830, BF957495, AA669212, R18953, H11844, N47836, AA492102, R05268, BG152316, R38230, AI866756, AA365365, BF345780, AA074088, W31514, R38229, AI823370, AA252419, AW189682, AA234509, W20399, AI475068, AI830848, AI568520, BE764077, AA173132, BE218668, AA076440, H61132, AA769282, AI472740, AA908562, AA357702, AI934410, AL527873, BE391606, AI685017, BE719710, W35176, AI220997, AW510500, AA910726, AI084298, BE547596, H30065, AL528398, AI080266, AI648523, BE962725, AB013818, and AF060502.</p>
H6EEO05	22	865424	1 - 1411	15 - 1425	<p>AA702164, AA001233, BF736596, BF306026, AW976026, N58476, AI921716, AI922691, AW341468, W52817, AU149400, AU149229, BE207816, AA983287, AI688164, AA748673, AI798829, AA676905, AW769397, BF431049, T03435, AA580477, AW261835, AW020522, AA031269, AU146658, AA811284, AI470013, AL516603, AA553821, AW468092, AU155046, N31376, BE301482, AW473322, AI040689, AA203586, W67599, R69536, AI369176, AI223241, AA954674, N78065, AI081505, AI184844, BG119995, AI084955, AA634485, AI858188, N24082, AI240972, AA227367, AI220515, W67600, AI207036, AI278789, H95812, H72498, AI016960, AI206577, AW016403, AF202355, AA989138, R87799, AA889751, AI079252, AA235634, AI862906, AI129076, BE871844, AW953096, AA995470, AA864442, D29420, AW089244, AW264543, AW996210, R13771, BG105546, AA665921, AI308113, BF758203, T57104, N55702, AA918086, R87736, H72897, AA814465, AA932962, AA634537, BE313440, BF816643, AA775542, AW627925, AI735374, AI240618, AA907067, AI023689, BF970142, AA747793, AI648677,</p>

					R09214, AI581401, AW085844, R14023, AA917754, F13715, BE313783, T57172, T90491, R41944, AA037879, AA037880, R09324, N54187, AA716132, R67168, BF929243, T90587, H14086, AA032267, AV750765, AA032200, AA031394, AI921060, BG027456, AI022147, AA250785, N93684, BE171774, AA487552, AA069357, T32756, AW274651, AI932548, AA411123, AI687158, AA001647, BF205711, AI952780, AA699517, AW300854, BF766147, AW238250, AW084173, BF821897, AI201668, AL117423, AK022697, Y17711, AK023318, AL031984, AC006460, AC000353, AL157818, AC005053, AP000345, AC005209, AP000344, AK026603, AL158196, AC009286, AF111168, AC002430, AC007384, AP000030, AC020916, AC009032, AL136979, AL035407, AC010789, AL080239, AP001761, AC066585, AL391122, AC011490, AC069247, AP001670, AC026199, AP000304, AC006581, AC008812, AC007383, AC005522, AL132653, AL034405, AL049636, AC009890, AC006313, AC004846, AC007656, AC006115, AF243527, AL139099, AC006013, AC009953, AL035405, AP000355, AL109827, AF109907, AC006344, AC000052, U91326, AC002544, AC006561, AL138976, AL161778, AC004019, AP000115, AL121916, AF003626, AC018663, AL034400, AL121753, AC010522, AL445220, AL121928, AC004690, AL359382, AC073316, AF196970, AC010605, AC008736, AL035072, AL049553, AL353802, AC005736, AC009756, U47924, AC011470, AL049843, AL354720, AC008014, AC006139, AC020904, AL133320, AL161757, AL162615, AC024561, AL022316, AC005480, AL022165, U91322, AL355365, AC010072, AC004883, AC004797, AL121997, AC006046, AL033529, AC009060, AL031295, AP001710, AL109952, AC005519, AL035587, AC008537, AL133173, AF307337, AF275948, AC007001, AL133243, AC008379, AC004965, AL354993, AC005844, AC007620, AP000045, AC004971, AL157372, AC004383, AC007688, AL132713, AC004477, AL034417, AC000111, AL121586, AL136137, AL138836, AC011473, AP000350, AC005291, AL133286, AP001714, AP001717, AC008078, AL109939, AP000240, AL121601, AL049820, AL135744, AF001552, AL158206, AC002480, AC004974, AL049795, AC007907, AC004865, AC013434, AC018764, AC002395, and AA872759.
H6EEU40	23	757048	1 - 937	15 - 951	AL534759, AL521087, AL523775, AL518427, AL518354, AL517326, BE741563, BF569745, BF337372, BF570471, BF969174, BG032740, AL536265, BF026597, BE274743, BE546314,

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H7TDB54	24	845956	1 - 215	15 - 229	
H7TMB95	25	597427	1 - 494	15 - 508	AL133381, AL133385, and AL133381.
HAAAT06	26	897933	1 - 1085	15 - 1099	BF718797, BF974159, AI188455, BF033060, AW960634, BF244139, AW131552, AI097214, AW770118, AI479963, AW009452, N31953, AW081547, AI335977, AI762159, N54405, AU147719, AW027335, BE762877, AA906378, AA844148, AI129620, AI138490, AW574571, AI129265, AA761562, AI034375, AI309628, AI051106, AA630084, AI032728, AI074132, AI471599, AI339926, AI189152, AA927339, AV710898, AI809033, AA808345, W45195, W56021, BF038798, AI369598, AW181953, AW959382, AA604051, AI301504, AA908734, AI243700, AA116133, AI302040, AI250836, T16006, AW166610, AA905111, AI061222, AI244792, AI025631, AA815302, AI040662, R47459,

					<p>AL530913, N58286, AW468255, AU158189, AA358781, AA815303, AI244838, AI090355, AA449764, W79663, AI446423, T33500, AW771363, AW473577, AI866647, AA845385, Z42948, AA045487, AW374532, AW771413, AI042636, BF514249, AW374660, W81374, AU155575, AA782096, H20745, AI051438, AW589392, AW513929, D52633, T34695, N86776, T31905, AA553569, AW074694, AI609652, AA854272, AI911074, AA218662, AA595479, AI919036, BF341081, AI369954, AW627681, N90614, AA057344, AI860902, AI597712, AA853614, AA116132, AL079979, N56158, D60062, T11517, W22981, N88499, AA094034, AW087898, AI691125, AA282579, H30465, AW131456, W19151, N55949, N88847, Z39072, AA550945, AA036712, AA248097, N89101, BF826420, R45852, T33501, H25817, R58270, BE708597, AA095396, AA338758, AA853613, AA249082, AI917872, BF376677, AW078511, AW793656, BF109813, AV684924, AV684895, N53121, AV683742, R40110, AW877209, AL119399, AV698851, AL119457, AI077861, BE735899, AW793657, AL042544, AL119324, AA788640, BG222312, AL119319, AW381451, AW381449, AW861944, AW804686, AW392670, AW604723, AL119443, BE695785, AW858526, AW858525, BF868687, AI954721, BE705903, BE705906, AI648678, AX048079, AK023425, AK027232, Z14122, AX030435, AJ251859, AX046357, AR060234, AR066494, AB026436, AR069079, A81671, AJ279014, AR054110, and AK025738.</p>
HACAD42	27	634372	1 - 976	15 - 990	<p>BF345250, BF345193, N62815, AW005906, AI923688, AI056483, AI860283, AI360248, AI360301, AI201905, R88275, AW027590, AW000872, H14214, W01327, AI880096, R89051, Z41527, F03748, N78561, AV703086, AV709580, AV704785, AV727822, AV707401, AV727618, AV708786, AV725618, AV706223, AV651897, AV653353, AV652528, AV725582, AV729473, AV702164, AV726590, AV706407, AV728743, AV704626, AV709356, AV708520, AV728546, AV708872, AV726194, AV660258, AV701874, AV703632, AV701858, AV725031, AV725577, AV702781, AV661286, AV725991, AV703214, AV703168, AV709935, AV654035, AV709880, AV725255, AV704756, AV692972, AV691615, AV725617, AV685688, AV689800, AV687909, AV728997, AV706882, AV701183, AV727314, AV660096, AV706076, AV728715, AV707268,</p>

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HACBS86	29	603946	1 - 1388	15 - 1402	AL535128, AW968744, BF672747, BF057551, BF435014, AW007137, AW245650, AA780279, BF030193, BF574567, BE300831, BF977868, AI793310, AW293287, N28662, BF670345, AA779678, BF115398, AI860715, AI338052, N21462, AI215736, AA193443, AI970590, BF215778, AW024993, BF195087, AI335708, AI801988, AA054377, AA625726, AI804150, AI494472, AI538741, AI554715, AI041171, N70796, W28545, AI681168, BF884295, AA625518, N30415, AL535129, N34010, AA843614, AA902129, AI539587, BF058806, AA054341, BF939805, N25178, AA740498, BF732371, AA837372, N36045, AA633263, BG013150, W26738, AI133235, AI167300, AW293926, Z39311, BF061065, W01430, AI873575, AA988171, AA578434, AA130043, AA928867, F06397, AW604448, AA887702, AA628170, T90232, F25847, AI161005, AA737275, R43958, R80116, F36933, AI500481, AW581013, BE814412, AW581011, AW580992, BG009195, AW581008, BF434035, AW580997, AW385874, AW385879, BF732506, BG005647, R80006, AW149452, AA171570, AI783960, F36938, AA134037, AA490935, AW373958, AW615651, AI799599, AI221918, AI073802, BF195695, AI283500, AI673019, AI383128, BF003135, AW206905, AW137599, AW135515, AW138069, AW749994, AW577486, BE675190, AW206106, AI915618, AI742378, BF732722, AW247761, AI910691, AA916988, AW148768, AI269736, AI436412, AI367166, BF063292, AU123718, BE464163, BF590529, AI435252, AI457744, AI347913, AW135905, AI813600, AI246734, AI554113, AW072464, AW028272, AI984433, AI475722, AI392621, AI346701, AI686237, AI760620, AW749995, BE940652, AI763130, AI798021, AW268899, AI361657, AI808291, AA736606, AW071723, AW245908, AW173067, AI819790, AW615262, AA491493, BF591379, AW300239, AA255597, N24567, BF434853, AA953659, AA491120, AI078632, R18846, T90676, AA404354, AA884048, AA627596, AI695434, AA768326, AA504620, F36472, AA741044, AA825829, AU137276, AA808017, AA830726, AA521349,

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HACBT91	30	789939	1 - 827	15 - 841	AW957974, AW003857, AI820045, AI523911, AW084836, AI983096, AI333432, AW188197, BF338099, N41047, AI433769, AI379333, AW438811, AA927750, BE139611, AI435307, BF436802, AW613586, R71675, AA678318, AA748856, AA301830, AI337423, AW243869, AA577365, AI382805, AI926335, AA568182, R47922, AA057770, R50081, BE247721, AI539624, AI698267, AI224055, BE244865, AI365443, N47137, AA903242, AV707146, AW955723, AV702790, AV701751, AW962407, AV705416, AI535639, AV705047, AW954994, AV703012, AW957544, BF380516, AV729076, AV707458, AV706060, AV704785, AV701728, AV709232, AW957628, AW954206, AV709235, AV707753, AV686390, AW955616, AW961393, AV725497, AV729376, AV728436, AV697196, AW958846, AW963660, AW951562, AW949999, AI535660, AV728733, AV692600, AV727314, AV703766, AV705319, AW959907, AW950888, AV656903, AW956199, AW957853, AV704180, AV696106, AV706223, AW963378, AW964540, AV727238, AV705869, AV705811, AW953969, AV689111, AW961593, AV695545,

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HACBZ73	31	832528	1 - 952	15 - 966	AI816298, BF593811, AW070255, AI161228, BG059749, AI356073, AI955763, AI859141, AA554787, AI359881, AI445096, AA012918, AL516145, AI623554, AL526214, AL523282,

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HACCK29	32	561629	1 - 991	15 - 1005	AA827722.
HADAB60	33	745367	1 - 450	15 - 464	AI732274, H39989, BE677426, H15823, F26841, T62068, BF197868, BE617537, H28577, H39871, AI469602, H26295, AI707473, AW516380, F35361, H16131, AA348863, R48732, H26107, H50712, H41972, H27223, R72204, H43368, AI820695, H43320, AW007846, R53594, R53580, H26452, AX017493, AC011498, AC011498, and AC011498.
HADAM31	34	604500	1 - 825	15 - 839	AC001084, AC001557, AC008670, AC008670, and AC001084.
HADCL19	35	599065	1 - 1088	15 - 1102	AI567076, BF677892, AV710066, AV729809, AF330238, AW265393, AV760777, AI963720, AW274349, AW858127, BF668217, AI284640, AW419262, BF827410, AI345518, AI281881, AA720702, BF793766, AW407578, AV761362, AI076616, BG249643, AV757607, AW502975, AW575165, AW833862, AL138455, AI431303, AA877817, AV763971, AI696962, AL046409, AW501386, BG222267, AI334443, AU145314, AL045053, AI368745, AV764307, AV761843, AW664193, AV763540, AV710770, AW193265, AW963497, AI801482, AA526787, AA610491, AW303196, AV760133, AV762505, AA908687, AW969988, AV760937, AW969629, BF337291, AW301350, AW131249, AI799642, AI732865, AI613280, AL119300, AV763354, AI270559, AA579179, AI623720, BG236735, AA402129, BF679304, AA455483, AV691147, AL048925, AV713243, AW088846, AA649642, AU147193, BF680639, AI679782, BF915247, AL042753,

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HADCZ65	36	683227	1 - 1098	15 - 1112	AI092552, BF817060, BE173784, AV748593, AC006006, AL121958, AL163249, AF124730, and AL133387.
HADDC04	37	601695	1 - 2517	15 - 2531	BE613004, BE613166, BF974661, AI500315, N48208, BE618336, AA226104, AA774105, W38468, AC010553, AL050349, AL121899, Z83822, Z82193, AL080243, AL031280, AL049779, AC008969, AC005052, AC008760, AC006057, AC006958, AC022596, AP001714, AC011290, AL035460, AC006441, AC005217, AL121890, AC007955, AL121658, AC007383, AL354943, AJ246003, AC004890, AC020552, AC004491, AL033529, AF243527, AL021407, AP001717, AC007136, AC011491, AC004983, AF233882, AC007263, AP000300, AL353777, AC004686, AC006530, AB023048, AL117382, AL096791, AC011473, AC002117, AL158828, AL133544, AC011455, AC006111, AL049576, AC005736, AP000510, AC005484, AC006115, AP000045, AC008474, AB042297, AC004887, AC018663, AC006014, AC005049, AC012153, AP000113, AL008718, AC007216, AC011465, AC004929, AF235097, AC003071, AF001552, AL049832, AC016601, AC007639, AC005488, Z99495, AL121923, AC004638, AC011445, Z98200, AC009530, AC024082, AL161781, Z95113, AC006071, AC005098,

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HADDP23	38	847115	1 - 940	15 - 954	BF920973, AA937934, BE536730, AL365360, AC022252, and AL353606.
HADDP51	39	853356	1 - 3328	15 - 3342	AA706728, BF001483, AI673245, AW886998, BE348278, AI248598, AI659019, BE736844, BE612704, AI739127, AI247536, AW117842, AI817551, AW006528, BE870926, AI814762, AI018632, AI610158, BE936853, AI765799, AI146290, AW675680, AI669984, AI951089, AI828725, AI684151, AW085627, AI984264, AW084761, AI709270, AI521424, AI660833, AI805142, AI093211, AI093207, AI754757, AW273314, AI129227, AW167368, AI419001, AW338718, BE677091, AI340939, AI201935, BF058370, BE042471, AI624410, AA987554, AI199763, AW469974, AI818301, AI364375, AA568807, BE350572, AW072815, AV712401, BE049563, AV717061, BE936831, BE351005, BE139466, AA868585, AI141658, AV721894, AW302534, AW470216, BE042541, AW167020, AI689602, AV653557, AA128943, AL533985, BE880885, BE746703, AI491811, BE394283, BF343008, AA635972, BF312778, AW276193, AI362252, BF569821, AA937582, AI499502, AA580333, AI690969, AI520808, AA744713, AW188990, AA830900, BF038560, AI741460, AA563991, AW301672, BE857595, AI587346,

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HADDR24	40	664477	1 - 606	15 - 620	AA557484, AI241530, AA203569, R00828, R01484, AC005103, AF047825, AC005103, AC005103, AC005103, AF047825, AF047825, and AF047825.
HADET62	41	607615	1 - 816	15 - 830	Z84483, AL139187, AL139187, and AL139187.
HADEY08	42	799507	1 - 4040	15 - 4054	AL041330, AL532631, BF342382, AL039218,

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HADEY22	43	704584	1 - 438	15 - 452	AF125348, AC006159, and AC006159.
HADEY22	44	861628	1 - 611	15 - 625	AI241976, AI279417, AI583466, AV734149, AW128881, AV710232, AW265688, AW895394, AI570380, AW895315, AW895463, AW895486, AW019964, AI445914, AW895376, AW895398, AI859906, AW895286, AW895289, AW895476, AW895321, AI306232, AW895480, AW895293, AI733856, AW274191, AI358712, AI753672, AW895322, AI251034, AA827383, AI381490, AW895461, AU146063, BF897648, AI284543, AI049701, AW895477, AL042667, AL042670, AW895389, AW895374, AW895404, BE062478, AI361090, AW895385, BE139139,

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HADFB84	45	668229	1 - 1179	15 - 1193	AI628371, BG034232, AW979200, AW970588, AW976008, AW970958, AW973808, AW979159, AW975247, AW970933, AW970875, AW975409, AW970877, AW971963, N49298, BE148723, AW972827, AW975434, AW975916, AW972864, AW972298, AW970064, AW975987, AW970564, AA167656, AW975964, AI569452, AW975904, AW975126, AW979140, BE967607, AA525818, AI560241, AA730530, AI733523, AW239465, AA593168, AA218684, AW338376, AA171400, AA347203, AA947352, BF980299, BF846619, H53109, AA493464, AA101744, R72363, AI554399, AA084320, AW979284, AW972802, AA421536, AW973757, AV760927, AV760048, AW976034, AI890297, AI242236, AA639040, AW973116, AW973771, AW151541, AF126947, AI570067, AA635135, AA720531, F01694, AW028376, AI744890, R22196, AA152398, N26159, BF031162, AW243516, AA492496, AA587835, AA768079, AW971068, AI003391, F30310, AU148708, AA657808, AI282322, AI268465, AI370470, AI619933, AW337483, AA180056, AA579417, AV762541, F25759, BF873493, AV729090, R00693, AW975634, AI281622, AI744766, AA494313, BF530611, BG059924, F35374, AW969751, AV728973, AA502862, AL008710, AC023490, AC009469, AC007993, AC007957, AL353807, AP000556, AC005914, AP000557, AC002120, AL353748, AC004975, AL136170, AC002351, AL136179, AL136362, AC004031, AC005399, AC003963, AF003529, AC018755, AL139286, Z83840, AL136124, AL121886, AF207550, AP001725, AC004500, AL049843, AC009756, AC011452, AC004000, AL139100, AL033529, AL050335, AP000692, AC007546, AC003663, AC083871, AL049760, AF195658, AL357052, AL109965, AC011453, AC009032, AP001711, AC005484, AP000275, AL138836, AL117381,

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HADFD01	46	829979	1 - 1580	15 - 1594	AL139423, and AL139423.
HADFD10	47	843934	1 - 1748	15 - 1762	AW965292, AW024643, AI277780, AI097416, BF726541, AI023101, BE468246, AI056079, AI037916, AI039913, AI342997, AA807752, AA430672, AI242690, W42638, AI357027, W42430, D79788, BE538980, BF875789, AW166085, AA332083, H01188, AI989582, H01284, and N57099.
HADFK11	48	637485	1 - 1028	15 - 1042	Z97353, AC006360, AL121903, AC004477, Z97353, and Z97353.
HADFT44	49	793100	1 - 841	15 - 855	AL533482, F36908, AI824965, AI818227, AW959983, AI871184, AA365784, C03253, BF530729, AA365785, C04223, AW959815, C04765, AA365263, C03732, F23203, BF347736, AC010789, AJ276317, AC016774, AC016774, AC016774, AC010789,

HADFW20	50	599066	1 - 1106	15 - 1120	AC010789, and AC010789. N68423, N68430, AI627688, AW297764, AA557945, AI572680, AW021674, AW873417, AW839858, AA779599, AW504667, AW327673, AW979200, BF846619, AI318548, BF812696, BE044000, AW338633, AI732327, AA935827, AI344906, AA723282, AI860423, AA280886, AI860648, BE139230, AI921744, AW516250, AA828840, AA525818, AI434103, AW008217, AL121039, BG180320, AW157128, AI702049, AW162314, AA112864, AU146789, BE080768, AA133568, AV741384, BF944618, AI038029, BE042324, BE049409, AW277240, AA493464, BG003974, BG059139, AI444575, AI570067, AI254267, AW023390, BF942991, AW265468, AI281622, AI280566, AA618531, BE152006, BG059924, AI571094, N49298, AA554289, BF913232, AA601336, AI744890, H86399, AA604601, BE062545, AW731858, AW576388, AA197089, AW514844, AI798521, AI003068, AA694596, AA167656, AA661583, AI640905, AA493245, AW148821, AW162332, H47461, AI701898, AW274180, AV763460, AW105463, AI267285, BF314404, AW023975, AA593168, AA157876, AV720226, AI884404, AA525753, AI253347, AW662484, AI547110, AA196287, BE065048, AA313025, AI445768, F35374, AA132929, AA521122, AW850985, AI821901, AF114095, AA632355, BF849260, AW962971, AA493808, AV735017, AW880986, BE156611, BF771562, R92703, AW243817, AI174827, AA834891, AW974283, AA635433, AW410844, H62123, BG223498, AA663579, AA847341, AA101744, BG118544, AW131109, AI188327, BE244547, BF666614, BF870098, AA601376, BF853009, AC009314, AC011464, AC005003, AC007240, AL121928, AC005913, AF148460, AC002350, AC009506, AC005253, AP001724, D85606, AL121601, AP000257, AB025285, AP001712, Z68273, AL161757, AL035684, AC003665, AL023803, AC007011, AL138759, AC010150, AP000098, U85195, AC024563, AC005202, AC006111, AP001675, Z98272, Z73900, AC004531, AL031286, AL121845, AL136137, AC016144, AE000658, AC008379, AC000355, AC006328, AJ229041, AC012005, AL035455, AK022821, AJ003147, AF111168, AC005534, AC008543, AC004400, AC004812, L78833, AP000958, AF064859, AL356299, AF045555, AC007055, AL034395, AC011480, AC022137, AL021391, AC021016, AC005747, AL137881, AC004816, AC011533, AC005330, AC005844, AL121886, AC003014, AL035588, AF217413, AC002558,
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HADFX10	51	741054	1 - 1264	15 - 1278	BF681546, AW969667, AI733856, AF139813, AC004228, AC003025, Z94056, AL139390, AC004840, AL137129, AL163249, AC020913, AC005899, AC010150, AP001717, AP001743, AC011444, AC018639, AC016995, AC005384, AL133246, AL109797, AC003070, AP000493, AL139123, AC015971, AP001748, AC004125, AL391122, AL162831, AL159977, AC005412, AC004962, AC004491, AL133467, AL050318, AL009177, AC007283,

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HADFY80	52	654831	1 - 728	15 - 742	BF511472, AU127911, AL514006, AI651629, AW163823, AA464646, AI612015, BE897632, AW162071, AI656270, AW891165, AW081143, AW022682, BE621256, AW366372, BG001293, AI885949, AI804505, AI612014, BF339322, AI494201, AV757067, AI950664, BE172412, AI345224, AL041150, AI311892, BF814521, AI955906, T99953, AI886415, W33163, AA888196, BE965481, N29277, BE779203, AV721874, BF814408, BF811808, AI254226, AW020592, BF868927, AW059828, AW022494, AI264629, AW075084, AA494167, AW020288, AI310925, AI312399, AI349937, AI292193, AI334884, AI307543, AV738730, AI345251, AW071412, AI811192, AI307708, AI336513, AI312325, AW071395, AV738918, AV739798, AI340659, AW071377, AI311159, AI348895, AI336495, AV737782, AI340644, BE138684, AI537837, AL036652, AV736474, AI334930, AI309443, AV744972, AI307520, BF840692, AA468418, AI869367, AA654165, AI345026, AI313346, BE544111, AI918408, AI340664, AI310592, AI307542, AI345739, AI345674, AI312143, AA835966, AW079334, AI349637, AI334920, AI002285, AW071276, AI310927, AI307578, AI336488, AI349955, AW075093, AI310930, AI312432, AI312357, AI567351, AA862606, BG058039, AI344931, AI312237, AL040694, H89138, BF764538, BF753053, AI420796, AI349213, AA693347, AW269097, BE885353, BF724157, AI801167, AW806761, W48671, AI538790, BF872670, AI280561, AI371228, AI690946, BE909551, AW083168, AV728471, BE886728, AI345735, AW089689, AI868163, AI336633, AI801325, AI631216, N22406, AI916419, AV742698, AW058233, AA012905, BE964078, N36182, BF791874, AW268261,

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HADGD93	53	826467	1 - 1019	15 - 1033	T89808, AW445047, AW449791, BE857368, BF431347, BF114958, AI795971, AW771616, AW751065, AI473887, AI000663, AA515382, AW844933, T89904, and AC010990.
HADMA77	54	783049	1 - 1899	15 - 1913	BE886986, AL118575, BF963505, BE896957, AA019981, AI871227, AW958870, AI148306, AI090074, AA594961, AI620245, N62115, AI499838, BE139496, AA253149, H37934, AW953772, AA398760, BE883579, AW008316, R17479, AI934670, AA253150, AI436173, AI446137, D59581, AI128007, R54297, H42535, D61056, D80139, R61184, AI197892, AA729655, D51488, H55864, H55771, AI075689, AA911710, AA292804, H86756, BF963502, T57670, AI961860, H42534, D51454, D81542, T34704, D80154, D81775, AA001440, T59256, D59479, R42975, R61185, AA994602, D51481, D51437, D59463, D59482, R46039, R51909, AA359928, AA659063, N79566, Z40268, R25021, R42826, D52193, Z42365, AA358058, T57710, AV656695, AL048093, R43779, AW276733, AA365016, AL048094, F01883, AA708838, C14366, N78346, AI601109, W16551, R18081, C00235, BF663261, AC018656, AC018656, AC018656, AC007944, AC007944, and AC021874.

HADXA10	55	772423	1 - 1978	15 - 1992	AL520379, BE728240, BE270748, BE563192, BE747293, BE616025, BF310134, BF206071, BG261043, BF204862, BE545976, BE729057, BF038936, BF675547, BE256389, BE276099, BE788900, AW410129, BF308046, BE387325, BE408780, BF244181, BG163620, BF310098, BF685442, BE270749, AA167070, AA595202, BE304399, AA166712, AV703692, BE537629, BG169509, AW006548, AW410130, BG171506, AV710363, BE393095, BF307791, BE617132, BE870070, AW361375, BE018109, BF125720, BE018088, BE616932, BF218030, BF507493, BF540895, BE906493, BE255013, AA541691, BF376341, BF836047, AI744106, AI275900, AA993705, AA570550, N25461, BF029481, C05079, BF196260, AA889358, AW104053, AI350305, BF185767, BF370885, AA215410, BF437962, BF508953, AI089241, AW261873, AI497768, BE831576, BE831566, H18557, AA134178, AA846560, AW341240, AW081872, BE673528, BF927401, AI978665, T64162, AA632468, H14432, AA134179, BE395917, BE091064, BF358799, BF359337, AW178636, BF358802, W22499, AA304799, AI653587, BE677600, AI885460, AI279015, AA095130, BE092495, AW601699, N42506, AI344456, W38700, AW150858, AA366810, BE710901, AA179114, AI658559, AW130294, AI302234, BE301577, N29814, AI903900, BE091130, H92212, AI521519, AI033015, AW058536, AW501606, AA305613, AA143566, H63841, BE548654, AA808514, AW601698, AI203740, AI076514, T64291, BE617717, AI097603, AA319609, AA079129, M78187, AA593710, AA232208, AI300090, AA232710, AA991543, BF927447, AI393752, AI003412, AA657813, AA481443, N50147, AI524438, F27490, AA404267, F37077, AI632386, BF447367, BF352235, BE301594, D25983, W30874, AA143567, AA731107, AA627438, AI765285, AA658165, AI239690, BF359954, BG025231, AA248062, BF351238, BF355595, AI770138, F29157, AA991539, AA991535, H14382, BF110530, BE839062, BE208658, BE879215, BE767250, BF330903, BE737607, BF432290, AI743174, AW674239, T33198, AW207869, BF354800, BE163436, AW953180, AW300178, AA079130, AI681045, AA775347, BE465391, BE085119, AA179113, BE073669, BE617593, BG007497, BG001568, BE738590, AI752143, AI241635, AA634670, D50987, AW183393, BF672618, W46344, AA552207, AF151907, AK025046, AK025260, AX015060, AX014857, AF219226, and AC015971.
HADXA10	56	859777	1 - 1372	15 - 1386	BE616025, BE747293, BF038936, BE545976, BE788900, BF244181, AV703692, BE276099, AV710363, BF204862, BE729057, BE393095, AA541691, BE870070, BF308046, BE018109,

					<p>BE906493, BE018088, BE616932, AI744106, BG163620, BE387325, AA993705, AA570550, BF540895, AI275900, BF836047, BE408780, BF196260, BE255013, AW104053, BF437962, N25461, BF029481, AA889358, AW261873, AI497768, AA846560, AW341240, AW081872, BE673528, AI978665, AA215410, AW361375, AI089241, AI885460, AL520379, BF307791, BE831576, AW178636, BE831566, H18557, AW410130, BF508953, BF927401, AI653587, AA595202, BE677600, AI279015, AA134179, AA134178, AA166712, BE563192, AW006548, AI344456, BE091064, AW150858, AA179114, W22499, AW130294, AI302234, BE301577, N29814, AI521519, AI033015, AW601699, N42506, AA808514, BF376341, BE710901, AI076514, AI097603, AA366810, H92212, T64162, AA304799, M78187, AI658559, AA232208, AW058536, BE091130, AI903900, AA232710, AA305613, AI393752, AI003412, AA657813, H63841, BE617717, AA143566, AI203740, AA143567, N50147, AI524438, F27490, AW601698, F37077, AI632386, AA319609, BF447367, BE301594, AA731107, AI765285, AA991543, AI239690, BF927447, BG025231, AA481443, AA627438, AI770138, F29157, AA404267, H14382, BE208658, W30874, BE728240, D25983, AA658165, T64291, BF359954, AA167070, BF432290, AI743174, AW674239, BE304399, BF355595, AA991539, T33198, AA991535, AW953180, BE839062, BE767250, BE092495, AI681045, AW207869, AA775347, BE617593, BE465391, BF110530, BE879215, AA179113, AA632468, H14432, BE256389, BE085119, BE270748, AI241635, AW183393, BF672618, BE537629, W46344, AA552207, BF310134, BG261043, BG007497, D50987, BE617132, BF206071, BF330903, R99416, BF370885, BF358802, BG169509, BF358799, AW410129, AK025260, AK025046, AF151907, AX015060, AX014857, AC015971, AF219226, AC068288, AC068288, AC012419, and AC012419.</p>
HAFBB15	57	608180	1 - 1719	15 - 1733	<p>AI378241, BG258310, BE855677, AW958055, BF196802, BE958177, BE784709, AI016431, BE855640, AA887947, AA843477, AW963766, AW026139, AI472824, AA744678, AI378170, AA767727, AI003236, AI399815, AA146803, AI081395, AI361091, N34655, AI587389, AA380690, AI080717, AA703684, AA878646, AA962414, AA661648, AA864189, AI587400, BF038644, AW516559, AA961155, AW304176, AA304344, AI983339, AV762220, BF476713, AI130008, AV760760, AW962035, AW088309, AI264094, AA487844, AV700498, AA037291, AV761207,</p>

					AV763135, BF733132, AA635825, AI702569, AW976010, AV762783, AV762693, BE566072, BE538259, AV699709, AW600804, AA680243, BG260565, AL527073, BE541237, AU130725, AA380691, AV760685, AW243654, AV700545, AV714931, BF677884, AV763683, AI732120, AW189866, BF678427, BF826830, AV700988, AV756726, BF828714, AV700113, AA223932, BE676158, BF917486, BF913258, BG164166, BF525393, AW820787, BE071876, BE071877, AA304345, BF082842, BF339640, AW406162, BE908796, AA584482, N51635, BG027041, BF155007, BF840676, BE867712, U51704, BG032538, BE061906, AU120320, AI963600, AW975169, AI924251, AL135698, AU145521, AW953071, BF844977, BF769185, AA665449, AI038990, AI076616, AI801141, Y11651, AC005274, AC007739, AC009955, AL135927, AC007227, AP001695, AC004019, AC018751, AL031577, AC004659, AC020916, AC006077, AC008543, AP000555, AL034380, AL136179, AC006285, Z82215, AL031257, AC004448, AC010328, AC005411, AC025594, AC003041, AL163280, AC003029, AC005488, AC018637, AC005755, AC007298, AL078646, AP000553, AC002350, AL117694, AC005212, AC009228, AL034372, U91326, D87675, AC010789, AC034246, AC004765, AC020913, AL031295, AL157838, AL117377, AL158040, AL133448, AL109984, AL022320, AC003103, AF207550, AC003695, AC005412, AC008747, AC003982, AL049840, AL109804, AF235098, AL035659, AC016025, AL133211, AF168787, AC005520, AC006965, AL354696, AL021937, AF196779, AC004477, AC009756, AC004824, AF312915, AC004996, AL096773, AL445220, AJ003147, AC008482, AL445490, Z69917, AL357150, AC004841, AC002544, AL121601, AL109935, AC020750, AC012309, AC004815, AL022238, AC005049, AL355499, AL049776, AP001712, AC010422, AC018720, AC011464, AF053356, AL110502, L78833, L44140, AC011811, AL136000, U95742, AL360227, AL121845, AC027319, Z83840, AC002126, AL158823, AP001711, AL031005, AC010463, AC007383, AC007216, AL161670, AC003043, AL442167, AC005839, AC004821, AL109963, AP000512, AL357497, AC005300, AL133174, Z85986, AC005924, AL163285, AL121914, AL133551, AC022148, AC018801, AC011497, AL135744, AC008960, AP001207, AC007934, AC011479, AC002543, AL139100, AC008521, AL023799, AL135901,
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					AC006441, AC002527, AC007055, AL133453, AC008753, AF196970, AC006449, AL009181, AL445483, AC005971, AC009180, AL137012, AL136418, AC016995, AC005288, AC006946, AL121926, AF258547, AL121653, AL033529, AC006040, AL078461, AC004166, AC026888, AL035587, AC007404, AC009502, AC011444, AL121825, AC021016, AC010462, Z93017, AC020663, AL049636, AL020993, AL121835, Z85987, AJ277662, AL136132, AC005037, AP000557, AC005251, AC015651, AL034417, AC005060, AF038458, AC011455, AL136365, AC024085, AL121747, AF254822, AC004263, AC004685, AC005377, AC005914, AC010620, AC010203, AC005056, AL136170, U85195, AB023049, AC007957, AC020914, AL138807, AC007954, AL161627, AC005531, AL109952, AC006084, AC005098, AC004000, AL009031, AC004858, AC025593, AL049759, AC009509, AC006211, AF134726, AL138787, AC006013, AL138725, AC008925, AC004796, AL034405, AC006023, AL049780, AC007546, AE000658, AC004895, AC006480, AC002425, AC004898, AC004847, AC005632, AC004386, AP001727, AL034548, AL122015, AC005522, AL109802, AC009194, AC005081, AC016620, AF088219, AC020934, AP000245, AL121655, and AC004890.
HAFBL14	58	832502	1 - 2708	15 - 2722	AV681945, BE393775, AV707348, AI310524, BG255334, AW954049, AW292959, BF439642, BE046071, AW672996, BF983667, AW338657, BE176420, BE176414, BG058638, AI904975, AW675166, AW960574, D81671, AI359989, AV724010, AI168601, AA887798, H08346, W76134, AA884661, H11971, H08347, R56814, D60404, AI572974, AA084593, AA905257, W72908, AA323809, BF030693, D81504, AI925990, AA081637, R56815, Z43073, AA830560, AL120010, BF840294, AA306604, AA055620, BF366776, BG028055, AI671677, AA196285, AA723974, T36044, AA382746, D60403, D60188, Z39166, BE936303, AC011767, and AC011767.
HAGAB62	59	588471	1 - 1080	15 - 1094	AV685350, AV686741, BF690807, BF793210, AA628971, AA583342, BG025143, AV714582, AI819853, AV694025, BF509887, BG029991, AW952438, W72055, BE892918, BF979176, AI887350, AW069598, BE245115, BE966065, AI669446, BE893079, BE897999, AA928346, BF239173, AW264574, AI245982, AI276045, AA828393, AW305033, N57490, AI399953, AI478692, AW130656, AW131233, BE645316, AA167004,

					<p>AW131635, BF214647, AW268530, AA253240, BF215928, BF341385, W05834, AW276504, N68244, BF692440, BF240662, BF129875, AA653293, AI082346, BF245344, AI201294, AA491296, AI431699, AW196819, BF102722, AA171704, AA890295, AI061332, AI373431, BF108394, AA169501, BG105959, AI262352, AV696749, BF572369, AA683296, BF105258, AI253535, BF028690, AI831015, AW243718, BF666316, BF978610, AI128087, AA559882, AV696604, AI379246, AV684941, BF941943, AA846151, AV696596, BF132894, AW316619, AV709201, AI369009, AV696365, AI942247, AA171628, AI302629, AV689864, AV694489, AW023413, BF691266, BF571833, D29081, AW130662, BE694953, AA722978, AA961110, AW518283, BE694955, AA287414, BF217717, W76249, BF840429, AI433493, AA720906, AA463439, AA463506, BF692218, R77605, BF837075, BF027722, AI253623, AI971866, N77877, BE694951, BF028277, BF239932, R46595, AW192204, AA397433, AI924613, AA989368, R24070, BF836152, T65426, Z36865, D61228, BF130476, T15472, H43755, AI265964, AW020937, BF571091, BF572006, AI749288, D54040, AA855107, AW996167, AA327416, AW364171, R24122, BE169315, AA293843, AI378942, BF130106, BE737560, BF914603, BF382833, N47636, AA328903, C15578, AA482163, T16609, BE710533, F09478, R57190, BF977793, AA402444, BF243085, AA834097, BF573523, BF031687, BE694949, BF211601, BF691109, BE694948, AA485208, AA650077, AA658584, BF210323, R77606, BF885972, AA720957, AW380839, BF958319, and AK025746.</p>
HAGAB83	60	823044	1 - 1825	15 - 1839	<p>AA677626, AW021917, AI345157, AI963720, BE395137, BG223550, AU131834, AL046409, AV710482, AI284640, AI305766, BE139267, AW193265, AW970896, AI431303, AW021886, AL040054, AW975049, AW500684, AF330238, AV764307, BE139358, AA904275, AI620585, AA226584, AI783911, AI755214, BE049095, BF804385, AI754567, BF941382, AW969667, AI613280, AI345695, AA122223, AI754105, AV756491, AW500250, AV755512, AW576251, AA602906, AW270258, BF325535, AF074677, AV760937, AV710066, AV728425, AI753488, BF724372, AL037683, AI270117, AV762111, AV735370, AW302903, BE063437, AI003611, AW973992, AI345654, BG222269, AL133668, AI061313, AV763971, AW419262, AW576391, AW855730, AV725423, AV759274, AA634786, BE154617, AI054333, BF965775, AW963497, BF925233, BG236628, AI350211, BF991208,</p>

					BF989483, BF792883, AL120343, AW275719, AI244127, AV759507, AA483223, AA657835, AI192631, AW157005, AI829331, BF337291, BG249643, BG164166, AA574442, BE968744, AV758870, AI354423, T74524, AW167154, BF736198, AV721886, AA610509, AA904137, AU128548, AI061334, AV762395, AL041749, AA622801, AA470969, AV761489, AA630854, AI564454, BF809041, AV761362, AV734666, AI307201, BF475757, AW513015, AA457249, AI733856, AA502991, AA454177, AA649642, BF675678, AC010328, AC007536, Z97054, AL035450, AL135927, AC007227, AC009311, AC022148, AL035659, AL133551, L44140, AC005098, AC004590, AC005971, AC016025, AJ011930, AL391684, AL356299, AL162505, AC006285, Z15025, AC005207, AC018738, AC008372, AC012627, AP000474, X54181, Z97196, AC004867, AC007204, AC005701, AC011890, AC010358, AC012081, AC005522, AC002301, AC002492, AF181668, AC009516, AC004166, AP001468, AC005013, AC004217, AB023049, AL008730, AL133415, AC007216, AP000047, AC020906, AL136300, AL031584, AC007326, AC068799, AC005089, AL049636, Z86090, AP000115, AC008745, X54178, AP000501, U02532, AL079340, X54175, AC003982, AL157413, AL109920, Z99943, AC018751, X55925, I51997, AC010203, AL158830, AL118505, X54176, AL035587, AC011895, U18391, AC006511, AC011479, AP001759, AL033528, AC006509, AC005901, AC011465, AC008543, AF067844, U57007, AL121969, AC006329, X54177, AF015148, AL021393, AL109976, AL353748, AL050349, U18392, AP001725, AC004832, AC005722, AC007207, Z84487, AC005288, AC007461, AL133245, AP001727, X53550, Z84469, AJ295844, AL391122, AC016995, AL117333, M37551, U78027, AL096700, U18394, AJ400877, Z98742, AC004859, AC005736, AF015147, AL157938, U57006, AF168787, AC007246, AC007285, AC006480, AL049776, AL049643, AC009155, AL035422, AC008569, AC002996, AC006057, AC005088, AF196779, AC026881, AC011489, U63721, AC007055, AL138976, U57009, AC005200, AC011891, Z95115, AC009228, AP000359, AL109825, AL031276, AL022316, AL031594, AC004253, AC005399, AC008806, AC002347, D83989, AL354696, AL021918, AP001717, AC005368, AC006452, AP001689, AF111169, AC006241, AL049757, AL163267, AL031289, AP000343, AL355136, AC011473, AC009194, AC004150, AC004072, U18395,
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					AL445248, AC004167, AC004821, AC006487, AC005253, AL096701, AF254822, AC005548, U57005, AC007387, AC022154, AL109936, AL121905, AC007671, X55931, AF020503, U57008, AL356747, AC005060, AC006262, AL136418, AC009001, AC011290, AC004813, U18393, AL034422, AL132825, AC005274, U95742, AC006330, AC005839, AL157791, AC004905, AC004985, AP000505, AC007620, AC022402, AL133448, AL136172, AC005899, AL163300, AL021808, AC006454, AC006989, AL109797, AC011442, AC008269, AL109897, AL161672, AC008155, Z22650, AC005056, AL078581, AC002464, AL022165, AL353700, AL033381, AL450224, AC010553, AL136137, AL049588, AL355345, AL022398, AL031121, Z69925, AF015157, AC005696, AC005598, AL359700, AL135818, AP001699, AC005217, AC011742, U18398, AC010525, AC004596, AC073299, and AC073299.
HAGAE84	61	847117	1 - 1950	15 - 1964	AW868688, BF903194, BF903192, BF947024, AL530096, BF969320, AI654555, AI968086, BF932862, AL109627, AB037753, AL109627, AL109627, AL109627, AL358794, and AL358794.
HAGAF75	62	561933	1 - 1316	15 - 1330	W74621, AA454202, AI698781, AW118630, AU153969, AI693403, AI091680, AI291680, W94325, N80093, N64659, AA045084, AA633674, R78232, N79293, AI348731, AV756074, AI611902, AI216978, AW270355, AI753365, AW086257, AI254798, BE139371, AW576389, AL138265, AV713396, BE182951, AI348302, BF769218, AA504951, N34172, N34275, AI076396, AI612152, AI540408, BF325535, AI245679, AW271917, BE676932, AI624024, AA593471, AL038909, AW088049, AL041749, AW075915, C06471, AA748121, BE072954, AA747889, AW975049, BF809771, AI053981, AU152795, AI636627, AW271904, AI345657, AI244758, AW839172, AI349966, AU144397, AW839174, AV761745, AV758600, BF832917, AI345717, AW105737, AI358229, AI915293, AV762917, AW973075, AV762030, BF436771, AL040072, AA984191, AW964231, W60516, BF982842, AU147774, T05834, AA745356, AW238127, AI078465, AA469451, BF814963, AW872729, BF882608, AW501347, AV731284, AI610603, AU145499, AW406755, BF996303, AW008317, AI561116, BE677379, AV760051, AA468271, AW402145, F17700, AA765979, AL038901, AI144094, BF850690, AI301218, AA779075, AV757395, AW939095, T40848, AW407578, BE006520, AA579184, AI873916, R45325, H81732, AU147258, AI457397, AW968184, AI049986, AI076236, AI309384, AI890348, AW024017,

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HAGAK40	63	731929	1 - 1490	15 - 1504	BE646470, AA968556, AW804902, AI309292, AI971924, AA309871, AW272389, AW962971, AW275432, AV761676, AI733523, AW021399, AW008217, AW855527, AA525753, BE077105, AW162314, AI572680, AW020094, AI860423, AA720582, BE073116, BE138690, AW173443, AL036896, F29968, AA584493, AA640104, BF880881, AW069227, T49633, AI290405, D80628, AA858433, AI049845, AV763460, AV757180, AA601376, AW162332, BE676856, AW169183, BF725837, AI797998, AU158606, AU155104, H81406, AI031759, AW238341, AV717715, AA584241, AV763951, AI634187, AI299891, AI745666, AW277000, AW813589, AA526542, AL044701, AW277093, AA604149, AA595661, AA577706, AV759234, AA507499, BE155099, H77492, AI570067, N49298, BF871414, AW957502, AI457313, AI174703, AA630476, AI144125, N70293, AW674631, AI590404, D80627, AW979200, BF525663, AI499954, AA661583, BE782865, AV763877, AC067969, AC002470, AF053356, AL353701, AL445687, AC006121, AC018801, AP001667, AP001714, AL353807, AC009228, AC004834, AL109827, AC020904, AC008753, AL049843, AC003110, AC011455, AC005233, AC010082, AC005082, AL157372, AL117336, AC007040, AL161907, AL031847, AC009484, AC018642, AC005696, AC004983, AC005914, AC027319, AL136418, AL355385, AC011479, AC016995, AL050335, AL121712, AF001551, AC011444, AL133387, AL121903, AL158040, AL135927, AC007227, AL109758, AC002565, AP001207, AC004820, AC005529, AC006088, AC002404, AL158830, U91326, AL139095, AF129756, AC004663, AL136097, AF111168, AL022163, AC004099, AL109923, AC003007, AC003665, AC008747, AC005011, AL121653, AC005516, AL159168, AC004383, AC008745, AC011453, Z99128, AL133255, AC020917, AL138743, AC008985, AC005484, AL049636, AC007358, AC010271, AP000503, AP000356, AC000025, Z99716, AC010205, AL137139, AC019227, AC016597, AP000152, AC006449, AC006511, AL049776,

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HAGAU43	64	844223	1 - 1814	15 - 1828	AI672383, AA843868, AA890401, AI638876, AA902665, AI685746, AI085890, AI745556, AI373565, AA708883, AI801505, AI917132, AA732253, BE066244, AA557945, AW407220, AA485699, AA225652, AA120920, AA773291, BG023979, AL040009, AA664942, BF821279, BF740938, AU144477, W01639, R97657, AI572680, BF764268, AA934825, BF764113, BF763390, AA848003, AW247866, BF975979, AA747748, AI049788, T40388, AA728978, AV740105, BF813860, BG058309, BE072368, AW793601, BE245594, BE244722, AV759337, AW963489, BE243879, N57681,

					AW962508, AI791131, N95099, AI719985, AV759112, AW962628, AI444575, AV759290, AI791130, AV762852, AV760360, AV761769, BF526832, AV727766, AI539776, F16133, AI886282, AA368903, BF542125, AI553670, AA094723, AA069473, BF687998, AA485563, BE045178, N74876, AI302917, F27846, AA640104, AA804808, AU158222, AA745507, BF917819, AA588001, AI370592, AI133656, H17602, AU116949, AW130748, BE148392, BF970043, AA640305, AW082432, AI275742, AA837256, M77981, AA482725, AA702717, AA501655, AI708275, AI061205, AI569389, H64579, AI357052, BF530611, T07878, AI537458, BG055660, AA485831, AI635245, AW768489, AA653292, AA744172, AI982736, AA838141, AI453476, BG152612, AA579724, AW021674, AC078843, AF107885, AL049697, AC011235, AC005154, AC024084, AL109925, AC002542, Z69917, AC012472, AC018716, AL022162, AC016751, AC005091, AC004381, AL162615, AP001710, Z73496, AC005153, AL078602, AP000130, AC006084, AP000208, AL137853, AC007130, AC007963, AL023656, AC015600, AL160058, AC004820, AC006061, AL445495, AC007722, AL356240, AP002015, AC009480, AC007066, AL161622, AL121891, AC009531, AL137009, AC005005, AL136171, AC006966, AC002287, AC004968, AL049552, AL160231, AC005826, AL137818, AB016897, AC021037, AC005215, AL080317, AC009314, AL096793, AC007220, AL162581, AC005075, AL358293, AL049872, AC010311, AC007057, AL033529, AL009173, AL031276, AC008066, AL136980, AL021937, AF130249, AL031577, AC018633, AL358133, AC025442, AC008536, AC002543, AC005011, AP000884, AC021019, Z82184, AP001707, AL033527, AC004098, AC005228, AC002302, AC008772, AL135928, AL121926, AC007347, AC009509, AC009803, AL358777, AL132996, AL133243, AC004125, AL163206, AC004849, AC022073, Z84487, AC008015, AL356311, AC009404, AL031846, AC016594, AL034400, AC015853, AC069248, AC006430, AF205588, AL034371, AC005089, AL139150, Z99571, AC017100, AL133545, AL158206, AF107045, AL133500, AC010134, AC084239, AC005105, AL031274, AL023655, AC006543, AL035464, AP000354, AC005669, AC004508, AP001728, AC001226, AL356739, AC002364, AC006544, AL159168, AC010092, AC008727, AC007387, AL133411, AL050335, AL445195, AC013417,
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HAGAZ36	65	564230	1 - 1266	15 - 1280	AA826320, AC026398, AL355871, AL031906, AL359763, AB023048, AC026398, and AC026398.
HAGBC57	66	823117	1 - 1514	15 - 1528	AL517136, AI031756, AW997603, AW051522, AI419715, BE876865, BG026171, BF196918, AW024792, AI820091, AI031536, BG032084, AI750691, BF818873, AW390124, AU154126, BE931727, AI718268, AI676009, AU150604, AI139784, BE539091, AW274463, BE440023, AI339956, BF436526, AW130926, BF732975, AU158281, AW105303, AI671676, AW024774, BE142825, AA767921, AW188678, AU156970, AI635171, AI025101, AI214461, AW272537, BE865587, N26496, AA767689, AW390092, AI127064, AU145788, AI809084, AU156218, AU146604, AA805199, AA127470, BF348772, AA731608, AA907446, AU156566, AA766721, BF093564, BE926378, N32318, AA974930, AA555032, AI560301, AI698721, BF093569, AA605141, AI244410, AU146578, AI564654, AA863384, AU151010, BE327912, AI027962, AI809625, AW674279, AA828746, BE042858, AA481024, AW006219, AW513254, AI493034, BE882746, AA041544, BF026379, AI243791, AW661725, AI439936, R81877, AI024491, AI422228, AA149966, AV732367, H11720, AV660676, AA207133, H88030, BF673863, AW023935, AA701420, AV659798, AW021798, AA449245, AI689338, N21594, AA953330, AW182023, BE693238, AU126655, N57412, AL038441, AW514313, AA227465, N30992, AA737326, BF220041, AA887976, AW804376, AI926405, N35548, AA355007, BG256100, BE274240, AI244073, AI797311,

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HAGBL31	67	679582	1 - 1444	15 - 1458	AI500575, R36673, C15968, BG008548, AC005037, I32741, U40268, U27459, AC002565, AC002369, Z82178, AP001746, AC008506, AC018682, AC004988, AL023284, AL161802, AC018662, AC003012, AP002898, AC004129, AC007383, AL109804, AC002352, AC015555, AC007436, AC005868, AL035685, AC003037, AL031687, AL357153, AL136218, U91321, AC037455, AC037455, and AC037455.
HAGBO09	68	853357	1 - 1524	15 - 1538	AW328331, BF725884, AW970571, AV763026, AV763058, AA714011, AL042667, AL042670, AI755202, AA535216, AI066646, AW970940, AA515048, AI216990, AI801505, AA828637, AA773463, AW962006, AW969667, AA714110, AL038842, BE062159, AA828834, AI753488, AV762633, AI085867, BE062476, AW958962, T47138, AW504224, AA847499, F35374, AW023111, AU146342, AA584862, BF826830, AW769151, BF876683, AW026305, AV755654, AW674258, AV744179, AI421950, AI419337, BF771349, AV715310, BG110480, AW575605, AI587565, BE155951, AW970987, AW328202, AA648957, F25761, AA829044, AW504458, AV730824, AL135377, AW969831, BF525663, AV723671, AI361090, AL119691, AI590485, BF771774, AW341978, AL119921, AI123396, AW962335, AA809546, AI049845, AA513851, AV757289, AI133083, AV734401, AI355559, AI801482, AI434037, AW021917, AA658918, AI064786, BG056362, AW970877, Z83840, AL024498,

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HAGBO12	69	601431	1 - 543	15 - 557	AL042373, AA410788, AL044340, AW819125, BG059314, AI821931, AL036665, AI279417, AW969743, AW995323, AI275982, BE138484, AA833875, AA833896, BG000961, AI733856, H05940, AV764259, AA640986, BF809041, AW341978, AW419262, AV759149, AW805539, AI457397, BG180976, AW575000, BF839844, AW955841, BF725884, AI357823, AW963444, AI612142, AA297145, AW303196, AV759203, AW571963, AV710482, AV764034, AV735495, AI523316, AI908552, AW301350, AW274349, AF075343, AI821714, AI791913, AI003972, AI792133, BF821897, AI620808, AI431303, AL041894, AA483606, AA579179, AV742057, H73550, AW166808, AI583252, BF916934, AL049870, AF111167, AC008806, AL122013, AF196969, AP001731, AL008634, AP000547, AC002288, AF241734, AL033525, AC002394, AC007782, AC004856, AC021752, AC004067, AC005902, AL023096, AC035150, AC007182, AL079340, AL365505, AC006213, AC012055, AC004552, AC009363, AC023473, AL049570, AL163283, AL109853, AL391839, AL133260, AL031284, AC004025, AC006840, AL035691, AC019055, AP000162, AC005233, AL049778, AL132670, AC008372, AL355984, AC004864, AC006061, AC005682, AC083874, AC007920, AC004963, AL031300, AC026179, AL136226, AC002429, AC004941, AL049838, AC005971, AP001671, AL078639, AC004825, AL133320, AL049569, AL138759, AC004837, AC006000, AL137009, AC010389, AJ003147, AC002981, AL357153, AL049589, AC005899, AP001687, AL021578, AF314058, AC005295, AL021877, AC009024, AC010000, AL133383, AL162293, AC007956, AC011422, U50871, AC023158, AC009479, AC022173, AL135960, AC026184, AF017104, AC007102, AP001674, AL109939, Z98884, AL022337, AC019210, AC004087, X87344, AC003015, AC007036, AL162831, Z98051, AC018504, AC068313, AC009362, AC058791, AC007395, AC005531, AL133238, AF165926,

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HAGBO51	70	701965	1 - 1554	15 - 1568	AV725643, AW138670, AI418999, H99667, AV724847, N23660, N47443, N49957, N49972, N28419, N48335, N49060, N34714, N52712, Z40380, N47442, N50103, Z44455, N52748, AC011504, AB002388, AC011504, and AC011504.
HAGBS89	71	846292	1 - 1214	15 - 1228	AW327801, AI732720, AW023975, AW084445, AL042667, AL042670, AA916430, AI801563, BE328286, AW026305, AI421950, AI419337, AW963450, BE154381, AW968167, AA995373, AW771062, AA282951, AI361090, AI025355, AV758870, BE245594, AA584765, AA658886, AW068596, BF876261, AI571161, AW105463, AI734119, AF030453, AC005088, AC005087, AC020917, AL445490, AD000812, AC005486, AC010458, AC007375, AC002126, AC004883, AL136979, AC011811, AC027319, AL049843, AC007383, AL135901, Z82201, AC005911, AL139039, AP001727, AL022165, AC005067, AC021999, AC020913, AC004826, AC004263, AL021391, Z86090, AL031311, AC004846, AL109653, AC006345,

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HAGBV06	72	701966	1 - 1701	15 - 1715	Z78400, BG028169, BG254596, BF217849, AA218857, AV701245, AV717278, AA195389, BF035193, BE568698, AW022929, AA224200, AA173089, AW378198, AW362624, AI693195, N32553, AW378185, AI400569, AI809750, AW157635, AA888859, AA812760,

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HAGBV25	73	838174	1 - 1882	15 - 1896	AL529008, BE515260, BE883668, AW954489, AW080196, AI983315, BF334314, AI623984, BE715946, AW510817, AI948729, AW118639, BE550687, AW015052, BF838797, AW027261, AI022855, BE815265, BE673761, BF838798, AI290713, AW264049, W26314, AI870376, AW453054, AA936381, BF513488, W27386, AI419230, W25815, AW243987, AI335656, BE644989, AW338467, W60767, N50686, N50770, W60706, AA683604, AI467875, BE901070, AA366242, AI748811, AV691292, AA533514, AI247878, AV689063, AA669692, BE067609, AA852777, AV686532, AI400936, BF516170, AI245377, AA009572, AA377771, AV686537, BE219286, BE677754, AI701600, BF832794, BF949265, N72448, AI636601, AA248947, AA573975, BE166057, AI870365, BE326604, AW070952, BF352156, AA725156, BE792604, BE618204, BF831062, BG104740, BE062973, BE062966, AW582272, AW582273, AW582266, AW856038, AW582277, AW856044, AW391286, AW391297, AW856091, AW861042, D25625, BF334419, BE149815, AW856186, AW391294, AW605980, AI424144, AW605984, BE062987, BE062994, AA861306, N46789, AA573600, BE062969, AW362631, AW605974, BE149710, AW291179, AW856301, BE062984, AW815346, BE062971, AA934441, BF035605, AW391292, AA852778, AW605970, BE150208, BE150206, BE150219, BE150223, AW379898, AK024693, AC002550, and AC003108.
HAGBV29	74	837203	1 - 2061	15 - 2075	AW954632, AA505108, AL038473, AI732911, AW854353, AA831913, AW600804, AU156695, BF346320, BG258140, AA224525, AA736713, AW102955, AA572983, AA491955, AU122155, AA576786, AW954624, AL532829, BE410485, AV764406, AI791227, AA757426, AI281401, AW970987, AW269504, AI538404, AA135386, AP000065, AB022785, AC005080, AC004878, AC010458, AL022318, AC005052, AP000133, AC007880, AP000211, AL138756, AL109797, AC019187, AC005071, Z96074, AL136981, Z83846, AL136305, AC007386, AC007225, AC007956, AC004867, AP000501, AC004448, AC013434, AP001330, AC004985, AL133240, AC010201, AB023048, AL024498, AC008733, AL136300, AC002492, AJ003147, AF196779, AC009756, AL109897, AC009194, AC007345, Z77249, AL133382, AC006948,

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HAGCC87	75	638587	1 - 1578	15 - 1592	AA587370, AA351604, AA661545, R22639, R22638, R18189, AA650370, AI459585, AI810301, R17880, BF434228, BE811111, BE701381, AA572974, BF857849, T50676,

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HAGCH67	76	561934	1 - 1310	15 - 1324	AI701468, AA015989, AF164115, AF164115, AF164115, AC022893, AC022893, and AC022893.
HAGCI69	77	560596	1 - 1200	15 - 1214	AA004654, AI474085, W95976, AW410116, AA714595, AV738942, BF980463, AV755494, AW303196, AW301350, BF797630, AI538433, AW974664, AL079843, AW274349, AI830390, AL138242, AA077817, AW440662, AL037554, AV759604, AW513362, AI370475, AI653636, W95841, AA557879, BE063025, BE147093, AI312309, AW974890, AV700888, AU137841, AL041733, AW872729, AW105737, BF915839, AI537185, BE180636, AV652936, BE018774, AW502975, BE147117, AI872227, AW662543, AU144324, BF826517, AA558697, AW772780, AA493508, AW873225, BE180633, BG166851, AV730307, AW193295, AL049868, U91326, AL050328, AC016644, AL050320, AC009743, AC005193, AC009533, AC006132, AC012442, AC006251, Z82208, AL121585, Z69714, AC006288, AC005564, AC002429, AC007679, Z93016, AC002544, AL049795, AC021036, AL034420, AL138718, AF031076, AC011504, AC005159, AC004987, AL161420, Z93015, AL356801, AC010489, AF280107, AL078586, AC006137, AL031983, Z97054, AJ277662, AL133332, AC005514, AC012467, AC007751, AC008616, AP000476, AL137802, AL356010, AC011510, AC008848, AC006254, AJ251973, AC008872, AC003998, AC005231, AC005789, AC003051, AL360178, AP000555, AC003658, AC022432, AL137790, AL135791, AP000034,

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HAGCT33	78	751796	1 - 1324	15 - 1338	BE670654, AA452395, AA452164, AI276979, BE696850, AA813505, AI142464, BF739318, and AB011104.
HAGCZ70	79	747697	1 - 1672	15 - 1686	AW937022, AA812084, AA837152, T62870, AA174108, BG028665, BF031162, AI114657, AW151541, AI355572, BF679761, AW275432, AA744021, AL043745, AA101744, AV734401, AL036896, AW080062, AI952885, AU118837, AA157876, AW500071, AA524604, BF527620, AI521525, AA720582, AI224583, AL134338, AA595661, AI439525, AI433952, AI090377, AL046457, AI523205, AA019793, AV683406, AV759851, AA493808, AI926102, AW273235, AA680243, AA831426, AA630476, AV699423, AV700654, BE244547, AW963489, AA601265, AI732120, AA427747, AL044489, AA558488, AV760154, BF034649, BF673854, AW151247, AW962791, BE350013,

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HAGDC73	80	724860	1 - 1620	15 - 1634	AL538521, AL538520, BG025342, BG179141, BG253871, BE502436, BE561841, AA521088, AW957550, BE223021, AI472246, AW593837, AW088310, BG254943, AA564072, AA173780, AW274963, BF223179, AA410497, BE392124, BG258474, AA534763, AI453379, AW139930, AI375940, AI435482, AI709078, AA460343, AI953790, AA085512, AW197302, AA632082, BE548509, AI277685, AW594017, AI004272, T78052, AA781997, AA707086, AA173832, AI869067, BE208693, AW953146, AA190979, AW817143, R15898, AA460342, AA861596, AI825206, AI203155, AA098929, AA349781, BE768075, AA410496, BE139469, BE302743, AA835958, BE158708, F06940, Z40031, T33103, AV755872, AW817428, AA993824, AW089638, BE972447, AW953147, BE768329, BE697135, BE697087, BE158706, BE697144, BE697133, BE697148, BF902229, BF373941, and T66524.
HAGDG84	81	745368	1 - 1998	15 - 2012	BF592932, BF131228, AI435489, AI168436, AI660093, AI917105, BE502245, AW170015, AV726309, R69799, F11334, R67877, F11323, D51015, R69800, R81389, R81390, R34017, AI283968, F08994, F08984, R67878, R33479, T16467, AW975618, AW966531, AW966053, AV718844, AV718692, AV718489, AW978634, AV724520, D80391, AW966534, D80196, D58283, AW960553, AV720203, C14429, AW949633, AW975621, AV718770, AV699550, AV699447, D80253, AV719822, D80166, D80195, D51423, D59927, D59619,

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HAGDH85	82	596804	1 - 1308	15 - 1322	AI733767, W32407, R00245, AA894623, AI473415, BF592208, AI733097, AA780801, AA635813, AI954911, AA121632, AI657002, AA333891, AA971747, AA503752, T16137, AI888819, AC006054, AL163213, AP001693, AP000221, AP000085, AL096699, AL109622, AC005537, U69730, AL133515, AC009365, AC026239, AL121826, AC013256, Z98304, AL445250, AC023512, AC005229, AL009030, Z92844, AL133226, AL133255, AL157817, AC083874, AL021397, AL079333, AL050334, AC020908, AL163541, AL133408, AC006207, AL356379, AL135785, AL109977, AC006926, AC008774, AC013379, and AC013379.
HAGDI69	83	566758	1 - 927	15 - 941	AA628435, AI937148, AI743806, W22487, BF940876, AW026217, W27139, AI886828, N39405, BF530042, AI041085, AW241824, AI039786, AI147323, H06160, Z39739, H87746, H08862, AI282016, F04656, F01576, H06159, AI474965, BF930136, AI076851, and AB011156.
HAGDJ53	84	821315	1 - 1860	15 - 1874	AK024569, AC007394, AC005823, AC003101, AC006571, and AC005484.
HAGDJ56	85	608181	1 - 629	15 - 643	AV751416, BF343583, BE314794, BG055980, R88597, BF527412, AA723715, AL133591, AC023476, AC023476, AP001979, AP001979, AC023474, AC023474, AP002834, and AP002834.
HAGDL51	86	637488	1 - 1655	15 - 1669	AI745287, BE144831, BE144703, BE144843, AL109825, AC004525, AC007216, AC006441, AL136137, L44140, AF307337, and AC005332.
HAGDO70	87	812393	1 - 934	15 - 948	BE793018, AI769463, AI356558, AI031830,

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HAGDT30	88	589514	1 - 1993	15 - 2007	<p>AU117955, AU141436, AW968937, AA488899, AU144641, AA236471, AW086424, BE967542, AA578559, AU158999, AA488967, BF511939, AW779692, BF083274, N93139, AW964505, D80472, N49728, N67535, D80469, AI401444, H65960, H64629, W26944, AA234580, BG055353, D81703, H65959, AW611626, BF948651, AA319626, AW272379, AI032838, AA610712, H64630, D80471, BF935715, AW895163, BE878388, BE878451, BE878457, BE815176, BE815143,</p>

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HAGDW68	89	835631	1 - 1673	15 - 1687	AV707468, N62902, AA575925, AI199172, W01382, T08230, N59867, AC004613, AC012147, L27867, U56651, and AC004613.
HAGDX84	90	638158	1 - 938	15 - 952	AW629485, BF374043, AA551751, AI276054, AA865135, AW769912, AI801287, R02692, AI452478, AA907354, AW965899, AA811656, AI269210, AA907384, AA360295, AI351188, BF359209, BF359245, BF378543, BF372825, AW630447, AW627431, AI032713, BE771072, BE349056, and BE314187.
HAGEK37	91	793464	1 - 1396	15 - 1410	BE885695, AI954822, BF110358, AI743266, BG253794, BF196885, AI760634, AW271501, AI827545, AI742718, AI056389, BG012042, AI742996, BF591372, BE674721, BF593159, AI345994, AI399645, BE644831, AI095920, AW960073, AI740512, AI161170, AI340159, AA042845, AI523616, AI767764, AV755834, AA725288, AW022272, AI627295, BG012031, BE326462, AI281249, AW006705, AI346590, AI128032, AI015853, AW769015, W40340, AI204473, AW590494, AI128034, AI123645, AI188777, AW673796, BF475547, AI022905, BG011288, BF109094, BF992433, AA602115, R52506, AW118046, AA515192, AW264138, AI262475, AA991762, AA916813, R78654, AW196224, BF084376, AW242924, BF110959, AI188970, BF992428, H60308, AA044394, AA974230, AA679929, H06796, AI039216, AA908995, BE464694, AW169928, BF991455, H06746, AA811173, AA173463, R95064, AW840763, AI525406, AW664846, AW016279, N93971, R68549, N47339, R23711, AA528788, AA361543, AA360102, AA338135, AA855121, AA321497, BF818645, R08057, AI198761, R25596, R08008, AA173408, R52507, R68255, H60309, AA931450, R67408, AA847526, Z41402, R26665, N58656, AI304613, BF758492, BF082729, BE931134, AW189301, AL514087, AW081298, AI685211, AI826225, AI800648, AI922689, AL513951, AI933903, AI567582, AI591201, AI475394, AI801152, AI624693, AI784214, AI696398, AI625384, AW263569, AL513999, AA738104, AI978720, AW075484, AI582413, AW194014, AI889213, AI932638, AI628254, AI470648, AI573167, AI521244, AI569579, AI690472, BG116849, AW078543, AL514219, AI621341, AI830259, AW150778, AW190487, AI686258, AI499191, AI811785, AI814087, AI811353, AI954183, AI247005, AI700159, BF039003, BG109125, AI637584, AW073697, AI434134, AI471712, AW081322, BE963236, AI819663,

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HAGEK86	92	748222	1 - 1745	15 - 1759	AI184199, AI812085, AA551051, AI985874, AA554516, AA572876, BE042959, BF437322, AI568911, AI417255, AI189803, AA454958, AA470735, AA454959, AA936950, AU144833, AA491156, W73764, BE218577, AU145281, N25998, AI524274, AA565746, AW593138, AI291212, AA634200, AI499841, AI221002, AI868000, AA017614, AI216071, AA678082, N44288, AA765130, W16710, AA404739, AU140513, AA029570, BF001391, N25023, AI675073, BF090597, AA861842, AA131535, BF356391, AA026208, N30501, AA429220, AA397401, R88681, AA053270, BE763707, W69276, AI572538, AA548868, AA844003, BF221614, AL135541, R31141, AW628894, N99486, N21445, BF886573, BF886582, T05147, AA053651, AA728969, AI040729, AI597753, AI379452, AI242896, AA700624, AA720726, AA229753, AA350787, AA161234, N36630, AA759161, AW194720, Z20643, AI445697, AA490457, BE045381, BF839232, AA056063, BF365632, BF769054, AA036667, AA229961, BF365615, BE763815, BF082462, BG253127, AA100072, AI040719, AW842266, BF872894, BF753547, AW604832, C18419, AF035812, U15138, AB008521, AB008524, AB008523, AB008522, A75279, AC018557, and AC018557.
HAGEP30	93	604478	1 - 796	15 - 810	AL048969, AF114095, AI732720, AW084152, AL042667, AL042670, BG231195, AA640305, AA324108, AI609984, AA489390, BF673743, AA199578, AU150583, AA507623, AI609974, AI610012, BE880692, AV706458, BF530611, AW238341, AW069110, AV763460, AW072963,

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HAGEQ58	94	695945	1 - 1661	15 - 1675	AW975618, AV724520, AW964541, AW960486, Z21582, D59695, AV702035, AW949586, AA809122, AV727418, D52291, AW966330, D59627, AV719783, AV720464, AV718692, AW964532, AW966054, AW949634, AW960465, AW975621, D80949, D51079, D59551, C14014, C14077, AV720104, AW973330, AV720791, AW965158, D80164, AV719468, AV718800, AW949654, AW965185, AW965197, AW973488, AW966043, AW966333, AW966380, D80247, AV719822, AW952852, AW966050, D81026, C15076, AW960520, C06015, D80258, AW966013, AW960454, AW966400, AV720150, AV655880, D80195, AW949646, D59503, D80045, D59502, AV719632, AV718487, AW962395, AW966332, AW960514, AW949658, AW966053, D59317, Z30160, AW959799, AW966041, D80133, AW966399, D59275, D45273, AW966062, AW966022, AV718427, AW949641, AA305578, AW966534, AV719188, AW961136, D80269, AV699927, AW978648, D59467, D80038, D50979, AV719644, D80227, AW959597, AW959570, AV719913, AW965175, AV700229, AV700622, AW959062, AW964477, AW949500, AV726609, AA305720, D31458, AR016808, A84916, A82595, A63887, Z82022, X64588, AR070327, AR087649, AR077702, AR092424, AB028859, AJ132110, AR060385, AB002449, I14842, I79511, AX027925, AC019197, AC019197, and AC019197.
HAGEQ67	95	838445	1 - 1191	15 - 1205	BF673365, BE048349, AV654020, AA873363, AA593668, AW974054, AI183298, AI288486, N91687, BF439344, AI525627, AV653421, AI185882, N70632, N68673, AI205883, R62964, H58308, R79064, N54939, AI205885, AW129141, N41012, H78978, N53116, AW469162, AA975901, AA602558, AI061419, R78756, R63545, H94455, H72843, AA985388, AA854763, AA780852, H65073, R92768, T83578, W05514, R06290, R28494, AV650793, F27018, R92783, BF361829, AV650271, AI740671, H94547, D45582,

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HAGEU26	96	608183	1 - 470	15 - 484	AI365624, AC004985, AC008403, AC004084, AC005225, AL121749, AC011491, AC005102, AL035633, AC020916, AC007011, AC007510, AL133215, AL355860, AL355860, AC027069, and AC027069.
HAGEW83	97	617111	1 - 1055	15 - 1069	AI022829, AI688133, AW613993, AA424600, AI199807, AI377792, AI082319, BF508550, AA973124, AI139622, AA919112, BF964703, AA424534, AW573201, AI698592, AX006438, AP000648, AP000648, AP000648, AP000827, AP000827, AP000827, AP001769, AP001769, and AP001769.
HAGEX49	98	834502	1 - 1461	15 - 1475	AL527582, BE790638, BE798859, BE797447, BF219887, AL534083, BE265170, BE254222, BE260202, BE252841, AI871383, AW468771, AI871247, AI950168, AV729719, AI341054, AW902244, BE262475, AW298755, BE799370, AA219669, AW003970, T89093, R60840, H16750, AW128954, AW902151, T15945, T15826, M78963, AW003981, AW248478, H51569, BF768788, T15528, AA339026, AI005611, F10274, H51939, D51509, D51121, BE504760, BF970449, BG166654, AI648684, BE964497, BF726146, BF904180, BF038804, BG112879, AI499974, AV743631, AW163823, AL135065, AW104056, BG032856, BG111850, AI648567, BG112718, BF527014, AW303089, AV733205, AI254727, BF814541, BE781369, AI364788, BF726207, BE965169, AW952439, AL119791, AA830821, BG036520, BF344031, BG178689, AW999906, AA807088, BF569448, BG107315, AV757240, BF885675, BF750879, AV681987, BG168185, BF339594, BE965355, AW168693, AL042384, BG165979, BF870154, BE897632, BE965067, AW834325, BE965192, AI690946, AV710937, BG105895, BF924882, AI499652, AI308035, AW268060, AI269580, BE621256, BG029053, AI290153, BE826058, AI689420, AW302973, BF726118, BG107576, AW162189, BE963286, AW074869, BF061283, BE047952, BF339322, AI309420, BG180996, AW172723, AI244380, BF752999, BG260144, AA640779, AI280661, AI336575, AI698427, AL120853, AI537617, AI889147, BG113224, BE789764, BF960601, AL110306, BF815196, AI567582, AI929108, BE965432, AW023338, AI343112, BE965481, AI611743, AI800464, AW118373, BE964213, BF750927, AW268253, AW301300, AI349598, AW075207, BF909758, AI345735, BE884910, BE966011, AI799235, AA420722, AI436429,

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HAGEX49	99	844227	1 - 1461	15 - 1475	AL527582, BE790638, BE798859, BE797447, BF219887, AL534083, BE265170, BE254222, BE260202, BE252841, AI871383, AW468771, AI871247, AI950168, AV729719, AW902244, AI341054, BE262475, AW298755, AA219669, BE799370, AW003970, T89093, R60840, H16750, AW128954, AW902151, T15945, T15826, M78963, AW003981, H51569, AW248478, BF768788, T15528, AA339026, AI005611, F10274, H51939, D51509, D51121, BE504760, BF970449, BG166654, AI648684, BE964497, BF726146, BF904180, BF038804, BG112879, AI499974, AV743631, AW163823, AL135065, AW104056, BG032856, BG111850, AI648567, BG112718, BF527014, AW303089, AV733205, AI254727, BF814541, BE781369, AI364788, BF726207, BE965169, AW952439, AL119791, AA830821, BG036520, BF344031, BG178689, AW999906, AA807088, BF569448, BG107315, AV757240, BF885675, BF750879, AV681987, BG168185, BF339594, BE965355, AW168693, AL042384, BG165979, BF870154, BE897632, BE965067, AW834325, BE965192, AI690946, AV710937, BG105895, BF924882, AI499652, AI308035, AW268060, AI269580, BE621256, BG029053, AI290153, BE826058, AI689420,

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HAGFD75	100	847119	1 - 1053	15 - 1067	AA857459, AA521163, AL138010, AW959778, W73720, BE217926, AA833866, AW021505, AW960382, BE547620, BF196658, AI912413, AI651850, AW197675, AW026833, BF057033, AA714734, AW612922, AI291477, N32292, AI803076, BE139073, AI696888, BF589879, AI672736, AI125980, AW021543, AI333787, AI394295, AA315831, AW300608, BF433618, AW438803, AW798872, AA732153, AI473872, W73704, BF589483, N95267, AI347757, AI869053, AA865121, BF439924, AA216377, AI160735, W15211, AA410397, AV739551, AW337871, AA526709, BG150420, AW959772, AA026470,

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HAGFF43	101	821316	1 - 1830	15 - 1844	AI912975, AI123532, AI740649, AI742960, AI927845, AI431795, AI962899, BF431588, AA115106, AI341128, BF445355, AI635323, N48187, AA910199, AI082125, AW961284, AI167508, AA115107, D62520, AA302827, C01777, N53334, AA327801, N52675, N49746, AV733683, D62457, AA910980, AA234196, AA514715, AA503357, AA333721, AW149579, AW611707, U10303, AR027719, AC068047, and AC027532.
HAGFJ67	102	861680	1 - 2108	15 - 2122	AW976110, AA214080, AI769673, AW069286, AA722813, AA503101, AI131547, AI378850, AI378385, BE503917, N49844, AI367840, AA443026, AA426172, AW150828, AA453753, AW969343, AL523084, AI335682, AA430073, AA463468, AW016254, AI033532, AA425541, W93005, AI373438, AA454019, AI076112, AA747308, AI471960, Z44094, AI434535, R53526, AA291531, AI280478, W93006, AW016405, R50852, AI081696, AI219348, R35192, AI698625, BE698931, T89701, AW594327, T16616, Z40118, AW865791, AW947328, H01675, W42758, AW466986, AA760631, AI830647, AL523085, H13648, H13649, T89799, W42701, AW969345, AW969483, AW865604, BG113370, AA451809, AV699404, H10264, AV699118, AW938833, AV699156, AV662268, AV725100, AV749106, AV728821, AV662225, AV726109, AF109907, AC004846, AL353805, AL353805, AL353793, AL353793, and AL354917.
HAGFM58	103	604536	1 - 917	15 - 931	AI638778, AW590106, AW173135, H05533, Z40422, BE281400, BE256961, AI360514, AW401890, BG165396, AL138293, AW902368, AI276298, AU145083, AU158501, BG260120, AI053784, AA732523, BF880329, AA328232, AL109709, AL354861, AC004883, AC004222, AC006365, Z81310, AL035659, AL109623, AL133324, AL365475, AC019014, AC083870, AP000694, AJ289880, AC003077, AC002558, AC004166, AC034246, AC008831, AC008960, AC020898, AC005629, AC025435,

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HAGFT48	104	780112	1 - 1669	15 - 1683	BF570468, AV705560, AI692236, BG109465, AI590873, BE379711, AV727359, BG260919, AV726731, BG168165, BF346570, BG163576, AW069724, AI679159, AL519013, AL526190, BF965794, AA946740, BF528913, AV703283, AV702687, AL533461, BG110801, AI828175, AV705918, BG250071, BE873739, BF664718, AI879173, AI801238, BF694537, AI952807, AI424265, AV701931, BE271693, AI888295, AI719428, AL038639, AI690528, BG252025, AW081816, AI566482, AI679930, AW084703, BG114469, BF790995, BE907696, AW468515, AW264441, BG259591, BG107460, AI911915, BF126139, BG249013, BG171634, BE866495, AV662233, AI755241, BF034364, BF978685, AI042469, AI679420, AI920873, AA533286, AA878901, AA705930, BF033622, AI813557, BF245036, AA614121, AA555039, BE302112, BE349080, BE349238, AA576133, BE276084, BE732617, AA934742, AI888442, AI335341, BF570597, BE874628, AA860291, AI066675, AW732388, AW364528, AA878665, AA729828, AA599248, AI797201, BF947404, AI262300, AI094949, AA167638, BE566199, BF130582, N21304, BF214932, AW364525, BF836129, BE733819, BG169436, AV709791, W95814, AI929022, BG112486, W44546, BF031142, AA460519, AW068846, BF671114, AA167645, AI569046, AA680274, BE813329, AA706571, BF209625, BF576643, AI799177, BF669794, BF126331, BE738856, AA600232, AI348357, AI922161, BG251908, AI720703, AI150672, BE906371, W95807, AW769788, AA641539, AI086742, W73227, AI937266, BF130487, BF691960, AA740905, BF672048, AA838225, W73282, BF952838, BF340304, AW364527, AW021468, N21186, AI344411, BE223076, BE380150, BF575611, AW364492, AA055921, AA669190, BF725117, AA088463, C75449, AA113298, BF947407, AW952444, BG168232, AI870953, AW239482, AA180777, AI815653, BF671309, BE960981, AV728221, AW239226, BE301129, AA515964, AA180739, AW936442, AA158764, AA180786, BF667857, AI978855, BF030081, AA192566, BF576326, BF575200, BE895720, BG114654, BF382020, AW002797, AA772876, BF672014, BF575647, BF699457, BF674000,

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HAGFU31	105	751713	1 - 1256	15 - 1270	<p>AV728425, AV725423, AI963720, AL046409, AI431303, AI305766, AF330238, AW193265, AI613280, AI345654, AI754658, AV760042, AV710066, AI270117, AV733830, BF241967, BF337291, AI350211, AV764307, AI284640, BF697673, AV734666, AV762535, AW965008, BF677892, AA490183, AI334443, AW963497, AV759172, BF679304, BF668217, AW276827, BG249643, AW974109, AW438643, AV764241, AI289067, AW975425, AV760777, BE350475, AW953071, AI341664, AV762098, AW083402, BE276880, AI619997, AI375710, AI688846, AW274349, AW419262, AW303196, AA610491, AW193432, AA623002, AI133164, AI061334, AW301350, AU151000, AV760774, AI814735, AV760937, AV762395, AA483223, AI344844, AV759382, AV763354, AI754955, BF854876, AL041690, AV718479, AA581903, AW502975, AI281881, BF939954, AI340453, AV761362, AI744995, AV764578, AW083364, AF074677, AL044940,</p>

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HAGHE85	107	838059	1 - 1683	15 - 1697	BF771774, AI733856, BG180976, BE501593, BE062476, BE062478, AW856329, BF526964, AW500684, AI755214, AI282479, AI754567, H68343, AA630854, AI114733, AI754105, AI821382, AW328000, AA572813, AW576251, AW237905, AW328331, AV758870, AW851405, BF870792, T74524, AA169245, BE968744, AA704393, AV647070, AV759632, AI251576, AI791659, AA639155, AW270385, BE970985, BF920612, BE645220, AI291439, BG116585, AI133552, AL047349, AW575605, AV760014, AI278972, AI620585, AA533545, AI431513, BE049095, AW865946, AL046519, AV762430, AI537995, AI130709, AL042373, AI279417, AI583466, AW505253, AA524616, AA714110, AI814682, AW341978, AV761107, AI609972, AI859438, BE301584, BF897533, AW962611, AA284247, AV730986, AA225406, AW855643, BF854308, AL524675, BF826830, AW970980, AI247183, R44593, AW778780, AI536858, AV755593, AW148775, BG222813, AW958962, AV754716, AW272294, AI306232, AI926728, AI783911, AW976024, AI887235, AV647713, BF845126, AI628859, AI912401, H05066, AA877992, AV745803, AA632765, AV746152, AI064786, AA420546, BF841981, AW970064, AW272640, AL163202, AL138715, AJ239321, AP000541, AC078899, AC010620, AC008463, AC012627, AC011477, AC024563, AC008554, AC008739, AC007204, AC010329, AP000540, AC073539, AC003973, AC010636, AC022432, AC011482, AC022409, AC025811, AC006457, AC006455, Z95704, AC006557, AC000378, AC011493, AC007793, AC006539, AC002519, AP001660, AL353653, AC007561, Z85987, AC005840, Z98257, AC006019, AC008537, AL139100, AP001711, AC002477, AP001710, AC007684, AC006028, AC005081, AL139120, AC005049, AC008616, AL359457, AL021878, AL121900, AL031311, AL136172, AL031846, AL109743, AP000210, AP000132, AC008044, AL353804, AL024507, AC018832, AL031594, AC011491, AC005380, AC022137, AC010605, AL391415, AC004832, AF207550, AL031668, AC008394, AC006064, AL357560, AL137073, AC004797, AC087225, AL132855, I34294, AC011449, AC016027,

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HAGHR18	108	655435	1 - 1128	15 - 1142	AA678513, and AC009671.
HAGIB90	109	845963	1 - 962	15 - 976	BE891206, BF967846, AV703582, AA527457, BF940287, BF593918, AI741347, AI741312, BF435968, BF437119, BF432869, AI122793, BF439541, BE247761, AI935314, BG149715, AW043581, AU154078, AI650362, AA745613, AA865770, AI633528, AA418851, AI123807, AW136604, AI694688, AI638182, AA418967, AI436139, AA622393, AI400477, AI436792, BE466805, AA805549, AW341339, BE465548, AA417648,

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HAHEM51	110	835871	1 - 644	15 - 658	AV706223, AV726590, AV709935, AV725031, AV709580, AV729473, AV702164, AV706407, AV661286, AV654035, AV704785, AV729424, AV704144, AV691615, AW955629, AV703086, AV702781, AV706882, AV725617, AV701858, AV707654, AV727139, AV727618, AV726337, AV727238, AV703214, AV660096, AV728743, AV704626, AV656240, AV702795, AV702498, AV701728, AV707088, AV686417, AV705299, AV682997, AV709880, AV705234, AV727459, AV726755, AV708991, AV646347, AV701873, AV727126, AV703515, AV728997, AV709273, AV661369, AV692972, AV709326, AV707510, AV707268, AV708872, AV701783, AV706012, AV702817, AV699153, AV706718, AV701880, AV687342, AV709356, AV689800, AV706183, AV687909, AV702787, AV726787, AV727822, AV647692, AV651897, AV725618, AV708786, AV726194, AV653353, AV709932, AV705416, AV652528, AV706162, AV694871, AV685688, AV728270, AV725582, AV728404, AV707649, AV707420, AV709618, AV725321, AV655067, AV701874, AV709733, AV702728, AV753667, AV703012, AV701704, AV707368, AV708858, AV704590, AV702671, AV707589,

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HAHSA76	111	848816	1 - 1574	15 - 1588	AA478498, BF435831, BF694558, BF576299, BF576281, AI184867, AA256526, AA256633, AA733154, Z19507, Z28554, BF435144, BF693719, AI702040, AA862946, and AP002012.
HAHSD51	112	847014	1 - 579	15 - 593	AV702505, BF667450, BF527488, BE900211, AV701178, AW960514, BG171086, BE562305, BE513572, BE513430, BF339961,

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HAIBR76	113	874298	1 - 2341	15 - 2355	<p>BE907625, BE901428, BG114434, BF530873, BF339622, BE877888, BF115054, BG120408, BG253503, BE874850, AW590006, AA292298, AA843532, BF528648, BF033637, AI433843, BF436709, AA399200, AV729269, AA533999, AI185166, N38845, W95775, AI131156, AA164719, AA621188, AW438758, AI673176, AA487069, AA486623, AA036716, D52279, AA025036,</p>

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HAIBT20	114	741086	1 - 1423	15 - 1437	AA461563, AL136128, AC068681, AC068681, AL136128, and AL136128.
HAIBV91	115	852223	1 - 2036	15 - 2050	AI005613, W96522, AA487079, H29914, AA634209, AA487219, H43771, AI791150, R87275, AI338426, BE880415, AI307201, AW572140, AU158612, AC020913, AC008551, Z95152, AC002059, AC000026, AL161937, AC004687, AL118520, AC068799, AC006430, AC003010, AC008403, AL096840, AC004491, AC008569, AL445263, AL031727, AL132772, AC018663, U95742, AC007216, AL121899, AL049569, AC002553, Z85996, AF168787, Z83844, AP001727, AC020908, AC005887, AL031428, AL035685, AC006057, Z85987, AC002070, AC007308, AC027319, AJ400877, AC005081, Z93241, AL136170, AC003982, AC005103, U95740, AC010271, AC004840, AL137073, AC002303, AC005004, AL031658, AL139353, AP000346, AC003104, AF047825, AC004865, AP001718, AC011465, AL121890, AL050318, AC011495, AC007938, AL031005, AC007688, AC010519, AC010198, AC008267, AL022323, U91318, AC004966, AC006530, AC020916, AC004382, AC002492, AC007540, AL078461, AC009086, AL035704, AC005803, AC005399, AC006312, AC005899, AF243527, AC002115, AC011489, AC003070, AL034549, AC011510, AC009079, AL031685, AC007277, AC011445, AL023807, AC011484, AP000952, AP001711, AC005088, AC002470, AC011742, AL024498, AC073316, Z84572, AC003684, Z95115, AC010412, AC008745, AC002288, AP000501, AC005914, AF053356, AC005588, AL138756, AC004859, AL138820, AL096814, AL049712, AC005513, AC005015, AL139396, AP000115, AC002400, AL121895, AC004876, AC020552, AC022392, AL138759, AL135927, AC008760, AC020917, AF207550, AC002544, AL109797, AC004867, AC004084, AL034429, AL031427, AC012384, AC005071, AC005908, AC007193, AP001752, AL050348,

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HAICE62	116	834523	1 - 1954	15 - 1968	AU132768, AI150674, AI201550, BE887731, BF797312, AU133896, BE886937, BF976248, BG116862, AI935161, AI764995, AI949627, BE894586, BF691352, BE502062, AU118541, AL135328, AI557507, BG259326, BE539774, BF978993, BF950716, AV751988, BF028357, AI421821, BE896516, AI660475, BE857412, AI928018, AI823470, AI823471, AA479500, BE834014, AW118824, BG109990, AI271334, BE785695, AU155062, BF961398, AW500446, BF941436, BE300247, BE858994, AW408026, AW292371, AI620359, AW052061, AI766262, AV715808, AA633532, AA554535, AW505212, AI673292, AI027570, AW273776, N70484, AW338139, AW501707, BF696094, BE088652, BF594650, AI760792, BE004296, AI186323, AI279748, AA975418, AA715033, AA970492, BF672314, AW605876, AA883296, AW504601, N35973, AI628400, AW337568, AA482028, AI051909, AA488888, AW191990, AI341856, AI804205, AW235238, AI926810, AV660012, AA987966, AI702537, AW664754, AA765790, BE082705, BF431459, AA923504, AW873707, AW499806, BF794528, AV748667, BG030045, AI524554, BF752173, BF752172, AI360518, AA236276, C00553, D61955, AW273652, AI471225, BF325664, AW505157, AI934271, BF082656, AI393039, AA868061, AA234286, BF215287, BF801368, AA868041, AV659779, BF669825, AI468843, BF752188, AA371204, BE175899, AL046157, BF571421, AL042309, AA417589, R74197, AI291217, AA479497, BG036107, AK001650,

HAICL90	117	637491	1 - 740	15 - 754	AK023321, AB016839, and AK021657. W25214, AA515844, BF746832, BE071210, F31980, AW104861, BF849381, AI334078, AI371165, BE440005, AI890794, AI279417, AA507984, AI050070, F37294, AA613177, AC020934, AL096791, AC008569, AL096840, AC004703, AC010643, AC006285, AC005899, AC010271, AL024507, AC008474, AC005900, AL031733, AC016025, AL023096, AL109865, AC006345, AC009116, AC003080, AL391259, AC010412, AC004973, AL133391, AL035587, AC006121, AF228703, AL080243, AL355392, AC024561, AC005531, AL137222, AC004655, AC005391, AC004030, U47924, AL109743, AC008044, AC008816, AL022165, Z83844, AC004805, AC011533, AC005231, M89651, AL139390, AC007308, M26434, AF053356, AL121712, AL035659, AL049776, AC008649, AC020913, AC004971, AC004526, AC008745, AC005778, AC011444, AC005519, AC008687, AP001759, Z93015, AC004890, AC005225, AC009314, AC018720, AL035404, L44140, AC008403, AL035458, AF168787, AC010311, AL136228, AC004257, AJ295844, U95739, AL022476, AC005052, AC004751, AL049709, AC005520, AL135749, AC007383, AF111168, AL133545, AF190464, AL137139, AC010326, U91323, AC004132, AC009600, AL138832, AL022323, AC020906, AL109798, AC020904, AC006449, AC011449, U62317, Z95115, AC018758, AC024168, AL133448, AC008641, AC005696, AC004382, AC011460, AC006038, AP000113, AP000045, AC008551, U91321, AL161937, AC004841, AL353574, AL139150, AC027319, AL109984, AC003982, AL161731, Z97055, AC015971, AC011464, AC016395, AL159168, AC002425, AC006141, AC018644, AP001711, AP001727, AC011469, AC006329, AC010203, AC010677, AC005049, Z82206, AL162390, AL031283, AL022328, Z98884, AC020633, AL031584, AL035086, AC023510, AC005940, Z95116, AC009123, Z93017, AL138756, AC008821, AL121586, AL353777, AC018738, AC011895, AC078889, AL137059, AL139384, AP001753, AF038458, Z93784, AC018761, AC018761, AC018761, AC020934, and AC020934.
HAICV44	118	772534	1 - 1310	15 - 1324	BF971284, AW993277, BF672941, BF344424, AI393509, BG028030, BF593648, BE858897, AI088349, BG114260, BG027505, AI422244, AI144172, N45298, AA459205, BF576980, AA723286, BE856201, AW992964, N31126, AV719045, AA587890, BG118761, AI423984, AU155918, AW957211, AA744886, AW392712, AI089460, BF791291, BF577287, BF126452, AW022043, AI056639, N31208,

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HAIDP45	119	847015	1 - 1168	15 - 1182	AV733033, BE465419, BE169829, AW207311, AV708798, BG118622, and AK024966.
HAJAB88	120	780114	1 - 897	15 - 911	BE616037, BE615280, BG180162, BE901105, BE295816, BF967149, AW182849, BE279280, BE615969, AI092942, AI972761, BF116253, AW410648, AI744086, BE900838, AW629493, AW071747, AI417665, AI076797, W94081, AI479793, AI803421, BE868763, AI005195, AW410647, AA649155, AA456665, AI827403, AA745830, AI096465, W52625, AI362083, BE857232, AA968430, AI079812, AI276080, AI934890, AV723753, AI309279, AI802432, AA885011, AI309206, AI298589, AI302399, AI375750, AI192342, AI017501, AW072907, AW081737, AA665056, BE858911, AI350260, BF967889, AI274718, AA769751, AA961542, AW087546, AA525841, BF087407, AI299711, AI918166, AA988598, BE172780, AA833819, AI305216, AA769250, AW954068, AI742103, AA383287, T35757, BE465779, AI219146, AW772833, AA884500, AI668953, AI670703, BE542179, BF929615, Z19494, H84543, AI630943, BF932761, AA975981, Z28548, W94080, D25769, AI000855, AI802291, AI567582, BE966571, AW059828, BE972216,

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HAJAZ56	121	716168	1 - 1085	15 - 1099	BF940010, W52081, AI139014, AI200234, N62743, AI419067, AW450055, BE465080, BE670411, AI089767, AI419473, AW614700, N79684, AA452054, AA987258, AA451854, R69788, AI423130, AI573050, T05770, AA665033, AA247975, AA084615, and AC018689.
HAMFC67	122	588488	1 - 1365	15 - 1379	BF514452, AW024527, AA002160, W22415, AI521503, AI767872, H23992, AA251756, AA279913, AA251965, C14766, AA279401, AC021212, AC021212, AC017058, AC017058, and AC017058.
HAMFQ38	123	610051	1 - 567	15 - 581	BE217821, BG106602, BE326803, AU149173, AW299468, BE646271, AU153293,

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HAMGG01	124	783864	1 - 1270	15 - 1284	BE621816, BE260483, BE621007, BE905714, BG109060, BG118283, BG027676, AW954377, AA147882, BE966297, AW967897, AI872084, AI199782, N35833, AI348066, AA861422, W63691, AW149397, BE677693, BF514612, AA252999, AW136699, AW571649, BF317165, BE535369, AI494225, AI288477, AA554493, AA255718, AW006946, AA070411, BF818894, AI608679, AA262075, N24631, AW173772, BF434167, AA479734, AA905123, AI271886, AA554605, BE246242, AA811761, BF843065, AW516090, AA761176, AA665942, BF185247, AI262319, AA654467, AA719263, AA811549, AI468593, Z25240, C01689, AA657996, AA863476, AA253000, AI445271, F03345, AA374834, BE067213, AI655472, AI184423, R55333, BF315199, AA147489, AA861904, BF314854, AA687856, BF314965, AA678705, BE785716, H30097, Z28862, BE737365, AW974896, AF063544, AW997238, AA770575, BF965480, AI904024, BG116771, AI811603, AV724778, AI348777, AI335426, BF969354, BE789373, AV714010, AI557622, BG168455, AI621106, BG167294, AI491904, AA587590, AV655250, AV749238, BF970398, AI370322, AI440444, AW020397, BF792961, AV656903, AI336575, BE880209, BE514043, AA641644, AA937558, AA832303, AI636187, AV724541, AL513595, AW005029, N29277, AA805132, AW301344, BE906744, AA835947, AI627692, AI635528, BE393551, AV734888, AI373914, AA729782, BF526707, AI273856, AW021717, AW963250, AI688146, AW411235, AA574444, BE245461, AI915443, AA127565, AI539863, AL037602, AW411351, AV726505, AI702902, AL037582, AV706527, AA669121, BF342678, AI633383, AW366372, AW962455, AI244249, AW411265, AW410902, AK000476, S56212, AK025099, AB047248, AB025103, AF094480, AK025491, AF126372, AL050143, L10353,

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HANGB24	125	664478	1 - 417	15 - 431	AA600344, AI300465, AI376622, AI791654, AI376117, AI797291, AA534692, AI890125, AA877133, AV699843, AI769751, AV699461, AV700004, AV700602, AA056501, AI655898, AI791633, AW118107, AI961311, AV699972, D29031, T88845, AA348459, AI926428, BG028946, AI872896, T25160, AA056387, AI821488, AI821513, AC009105, AC009105, AC009105, AC026419, AC026419, and AC009163.
HANKC93	126	847018	1 - 862	15 - 876	BE315280, AA632674, AL109769, AC015550, and AF129756.
HAPAD35	127	840584	1 - 2143	15 - 2157	AV683406, AA425283, N72678, H53546, AV756663, AI754257, AW021399, AW020094, AA601712, BF942991, BE392753, AI167715, AI308529, C06046, AC069539, AL138752, AC016637, AC008040, AC007899, AL133453, AL035073, AC002528, AC007277, AL035413, AC009194, AL021877, AC006581, AL121582, AL139109, AL136090, AL121585, AC009244, AC020912, AC005901, AC018719, AC004025, AC016902, AC007436, AC008114, AL353748, AP000008, AL021393, AP000704, AC009276, AC004019, AP001727, Z98742, Z82901, AP001681, AL159977, AL138836, AL109840, AC055740, AL136300, AC025472, AC018637, AL157777, AL353580, AC002464, AC003081, AF181896, AF205588, AC010102, AC018492, AC005736, AL117348, U95742, AC008953, AC018641, AL117356, AL121949, AC008905, AL031120, AC007216, AC044791, AC006010, AC008865, AC004805, AC006146, AC005939,

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HAPBR13	128	609976	1 - 1571	15 - 1585	AW363149, AW296454, AW296725, AW373130, AW363152, BF354687, AI963720, AI561060, AA610491, AL119691, AL046409, BF668217, BF677892, AV761362, AI284640, AI431303, AF330238, AI334443, AW419262, AW274349, BG249643, AA587604, AV763971, AL138455, AW265393, AW088846, AV761745, AV735495, BF241967, AW303196, AW410400, AW500125, BF991286, AV759204, AI345681, BG059568, AI345675, AW301350, AA877817, AA720702, AW472872, BF337291, AV740801, AW265385, AU147800, AI754253, BG109996, AV757607, AV763540, BE672637, AW965008, AL138265, AW963497, AI754336, AA581903, AI679782, AV762098, BF827410, AA665330, AV764329, AA521323, AI350211, AI919265, BE006140, AW338086, AI571512, BE150580, AV710066, AI370074, AA178953, AW576503, AA521399, AW872676, AU147104, AA192740, AL041690, BG058664, AV762645, AV702857, AI254615, BF475381, AW193265, AW327868, AW574794, AA164251, AA126450, AL046457, BG059450, AV761489, BE139146, AI061334, AI368745, AW276827, AI471481, BE047069, AA680243, AV729809, AI270117, AV759362, AV760937, AV763354, BF763962, AV742057, AW406755, AL037683, AV762395, AW406447, H71429, AV703682, AW975425, AW028429, AW167372, AV763633, F36273, AA491814, AI613280, AI289067, AL042420, AW772780, AW193432, AI457397, AV735370, AW029038, BF793766, AV757425, AI745325, AA631507, BF683672, AV728425, AI761471, AI281881, AA551552, BF918590, AI149478, AW408717, AI537955, AA101689, AI708009, AI688846, AV758600, BE674881, AW339568, AA513141, AW162049, BE970240, BF311000, BF679809, AI929531, AI370094, AV762050, AV762139, AI865905, AW504669, AV762009, AL044940, AI298710, AW265194, AF063563, BE350475, AI370878, BG177715, AI732120, AI344844, AW276435, AU145314, BF592311, BF724767, AI341664, AI345654, AV762064, AL048925, AI635818, AW974109, AW021583, BF919090, AW996768, AI619997, AW406162, AV762397, BF854876, AW960468, AW265170, BE906897,

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HAPBU09	129	762803	1 - 778	15 - 792	BF569292, AL528819, BE389118, BE392549, BE389075, BF982511, AI040752, AI049529, AI769273, AI094349, AI522297, AA622303, BF983345, AA186348, AI365633, BG252282, M78841, AI983958, BE244506, BE858338, AA678243, AI041236, BG028607, AI432639, AI373623, AI419411, AI798231, H58227, R54769, AI554785, AU149366, H05033, BF381315, F09708, BE246500, H09751, R48493, R87933, R56888, AI123044, AA765782, R47780, R45570, R37740, AA603115, R41799, BE812642, BE874245, AA911072, AA350939, AA993529, AI382054, AA973342, AL042410, T10298, AW473464, AI265877, BE465620, BF718605, Z39399, AI559221, H09714, AI672082, AW518803, AI203422, AI868385, T23705, BF568262, AA910554, R45802, BE869415, H61052, AI598184, AA352295, BE543006, BF851333, BE311806, BE311445, BF753602, AI561052, AV750608, AW195253, AI816980, AI688848, AI963564, BG105381, AI687166, AI471429, AA604125, AA838230, AI867076, BF339011, AI672847, AI912333, AI282865, BG109810, BG001293, AA156293, BG035988, AI560569, AI433611, AW152144, AI494201, AI419650, AW263804, AI096881, AI926593, AW151974, AI678324, AI702527, AI653578, AI341669, AV712254, AI866169, AV723020, AV722414, AW169598, AI568886, AW303089, AI624120, AI453339, AI802515, AA866006, AI612815, AA497014, AA831789, AI537516, AA767181, AV711541, AI539028, AI539661, AA226168, BF750928, AI416961, AI801088, AI619587, AI571980, AW148484, AW079357, AI241678, AL121014, AI695129, AI590781, AI241800, AI863397, AA477375, AW022093, AW022494, BG105800, AW020288, BF680133, AA056265, AW238753, BG105110, BF886794, AJ004832,

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HAPBU86	130	789544	1 - 1337	15 - 1351	W63595, AI091586, AW139956, BF589466, AA706707, AW953704, AI920881, AW071496, AU151958, AA782399, AA030021, AI262985, AW085959, W56173, AA367126, AW085036, T77303, F13277, F10875, R20876, AI031732, AI027420, R42056, R38187, AK001537, AC007073, AF052098, AC007073, AC007073, and AC007073.
HAPBU86	131	864890	1 - 1357	15 - 1371	W63595, AI091586, AW139956, BF589466, AA706707, AW953704, AW071496, AA030021, AI920881, AA782399, AU151958, AI262985, AW085959, W56173, AA367126, AW085036, F13277, T77303, F10875, R20876, AI031732, AI027420, R42056, R38187, AK001537, AC007073, AF052098, AC007073, AC007073, and AC007073.
HAPNJ33	132	835554	1 - 3383	15 - 3397	AL529751, AL537597, AL516532, AU125289, AU141078, AU125863, AU119203, AU133452, AU142209, AU133510, BE383839, AL529750, BE275012, AU119839, AU133332, AU126010, BG024249, AU121510, AL516531, AU125229, AU140391, AU132748, BG170929, BF032210, BG170657, BG168008, BE891218, BF980708, BE819462, BG250968, BG169035, AU138268, AU133026, BF314487, BF792816, BE883225, BE728605, BE122660, BF346119, BE747887, BG105391, BF032574, AU133475, AU130438, BE262462,

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HAPNL62	133	790340	1 - 2798	15 - 2812	BE673536, AI139897, BG170829, AW957833, BF002086, AV759722, BF672195, BE551846, BE389388, AI401166, BF590805, AV759790, BE349134, AW816215, AA313661, AW965858, BE463882, AW025093, AW997045, AA279665, BF130382, AW006892, BE966019, BF432467, AI672221, BF114826, BF126278, BE613995, AI342548, AW573226, AI218610, AI523160, AI633767, BF594259, BF132165, AW300128, AW970231, AI917095, AI422060, BF593300, BF694624, AI638456, AI148656, AI913714, AW022547, AI280117, AI538704, AA192996, AI672181, AW339696, AW976477, AA193047, AW105141, AW069623, AW515507, AI631400, AI391561, AA018552, AW629309, AA598675, AA884843, AA676366, AA721090, AW009094, AA704417, BF380131, AA642189, T92717, AW080929, AI417778, AI609457, BF437799, BF368021, BG231627, AI191147, AW169709, BF839476, N77136, AA721349, R22380, BF431128, AI826801, T92796, AA146872, AI220831, AA678826, BF217273, BE252893, AA358132, AA146873, AW103221, AW000901, AA037814, R57905, BG059367, BG059137, AI699878, AA424312, BE218059, AA665654, BF575887, BF752397, AA831994, AI202922, AA037815, AA744672, AI695756, BE708481, AI424586, BE183189, AA358133, AA652971, AW970230, AW754324, AI225125, AA693478, AA730437, AW579649, AI566154, AI536019, AW206074, T25954, AA642188, BF857489, BF435937, BE857491, Z44903, AK000734, AK027055, and D38417.
HAPNO50	134	834384	1 - 1131	15 - 1145	AL518419, AL518118, BE736445, BE613342, BG026387, BF035535, BE315374, AW958599, AI081543, AL518119, BE392524, AL518420, AW024140, AA742572, AL525779, AA593332, AL521715, AW327486, W76539, AI239527, AL527756, BF795907, AI362956, BG056963, AW886596, AW961870, BE266544, AA977531, BE465629, AA865071, AL527757, BF955442, AA988767, BF829843, AI240922, W56688,

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HAPNY10	135	702037	1 - 1495	15 - 1509	AU118496, AU142760, BE748883, BG179512, BG164420, BE545820, AU134626, BG036116, BF038780, BF977295, BE878267, BE894212, BF696091, BF752488, AW967106, BE005640, BF965685, AV717118, AW995054, BE748294, AW995063, AW995040, AI872039, AW995055, AW995066, AW995049, BF789942, AA428870, AW995046, AV716699, AI754200, AW995037, AW995038, AU145042, AU151060, AW995051, AI609742, AI951238, AI753336, AA573149, AI979258, AW995061, AI421741, AW995041, AW150943, AI635265, BF245148, AI885452, N51395, AW994876, AI421503, AI690515, AU153623, AI356875, AI929816, N22690, AI653622, AI361388, AA167620, AW129548, AI288253, AI523512, AI278897, AI653615, AW995057, AU151622, AW026273, BE858081, BF693683, AI346768, AW055362, AI422405, AI624929, AA284092, BG111735, AW994885, BE247543, AA648411, AA916321, AI337889, AA938166, BE246607, BG029176, AW338309, BE564504, AI753213, AW664261, BE042823, AA180741, AA937772, AA843360, BF029597, BE247347, AI346951, AI749703, BE813310, AA180911, AW995069, BF743325, AI540290, BF382452, AA837104, AA098975, AW027738, BG036033, T05657, AU156041, AU156561, BE551250, BE244383, N67264, AW627736, H01297, AA975101, AA588569, T65565, AA825166, AA428214, BF215654, AA872382, D57428, BE896006, AA626493, T17244, AI352346, H89608, AA256109, BF677052, BE243958, N41743, AA872866, AI985254, BE896318, BF575278, AA774035, R56254, AW468983, AI423092, AI452841, AA467977, BE856775, AW517913, F09456, BG166718, T36131, W31622, D81537, Z28603, AV705481, H16985, H89372, T30634, AA664236, R82283, AA429824, AA219532, AA284229, BF792407, D57692, D52630, BF326362, R82282, Z19255, AI567175, BE246916, W52900, BE892253, BE787687, BF697157, D55793, BF690202, D55939, R59912,

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HAPPW83	136	847020	1 - 1351	15 - 1365	AA742433, AW576370, AW674269, AW080552, N70013, AI440157, AA885767, N35921, AI610511, AI433058, AW243690, AW020082, AW473707, AI824459, N70096, AL079912, AA555240, AV736782, AA557945, AA015948, AU147226, AV758849, AI174703, AI828721, AI915081, AW875184, AA720582, AV683406, AW813106, AI860423, AU148246, AI791659, AI281622, AW855527, AI732720, BF949151, AI572680, AW131394, AW272815, AW403177, BF882222, AW513105, AA937402, AA831714, AI370470, AI242236, AI434103, AW511778, AW963295, AI889236, BE152006, AI734119, AA807704, AV764119, AA653291, AW614862, AI590404, BF525663, AA636077, AA584360, AI754926, AI744963, AA055647, AI123488, AI251024, AL042667, AL042670, AW020150, AL044701, AW518140, AI031759, AA703818, AW880986, BE045167, AI567676, AW631267, AI318548, BF814446, AA086042, AI857834, AA313025, BE392753, AV712092, AW902110, AU159185, AA601712, AI114494, AA935827, AU120423, AW268793, AA507623, AW072963, BF901147, AA640104, AI254267, AA425283, BF970107, AI571094, AV740548, AI733523, F35684, AA748071, N55296, AI521525, AL039436, AI344906, AW957502, AA719564, W60000, BF882223, AA197089, BG034698, AW085626, AI969090, BG059924, W45215, AI307563, AU159329, BF575954, AW576299, AW979200, AW149241, AW593631, AI000381, AI280535, AL049366, AJ007590, AC007021, AC007597, AL096701, AL161936, AL035089, AC007421, AL033529, AL136365, AC004605, AC013429, AL078581, AC008265, AJ009616, AP001711, AL021918, AC006483, AC002546, AL137129,

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HAPQJ73	137	580802	1 - 1843	15 - 1857	AW294869, BG236257, AW778903, AW129774, BG036371, AI884330, AI696923, AI633798, AV688970, AA165541, AW779041, AW173727, AI333148, AW515987, AI479216, AW182534, AA743632, AI498674, BE465474, AW117302, AI346562, AW591097, AW118511, AW614948, AI557212, AA743859, AI358240, AI267413, AI261985, AA017059, AA743634, AA167402, N66962, BG110808, AA862980, AI493590, AI273999, AA165508, AV732273, AW768832, BF028059, AA214448, H11195, AA021464, AA404519, AA953430, AW959595, AI689073, BF030889, AI827162, H38360, BE169597, R80519, R80410, AW352115, AW352124, AW352122, H40632, AV689744, R73775, AW079702, D59570, AW388483, AW838177, AW388597, D80362, AW388478, AV686050, AW352116, H38123, AV689751, AW752148, AA278329, AW388317, D59748, AA513300, R76419, T93220, R78798, H38124, R73683, AI619809, BF855318, BF349351, AW375680, AA361084, AW352128, BF374782, R85948, BF349350, R62539, T93119, D59651, AW795970, AA300011, AI245308, AI784324, BF970523, D59571, AA621589, AV715322, AW662250, D59712, BF241491, AA279000, R25408, R28435, R62538, AA017210, AA021463, D59711, BG007851, AW898617, AA961634, AW268874, AA585200, and AL354720.
HAPQK26	138	637494	1 - 1796	15 - 1810	
HAPQU71	139	752580	1 - 1865	15 - 1879	BE742577, BE315537, BE898768, BE745817, BF035770, BE271940, BF037055, BF037980, BE158907, BE898287, BE612349, AW992960, BE709528, BE744647, AA482434, BE019873, BF087379, BF326584, BE743131, BE747485, BE740044, BE709885, BF352583, AW102841, BE047819, BE709842, BE740070, AA459527, BF848859, AA781487, BF847782, BF876013, AA477819, BF087337, AW580272, AA358887, BF847776, AA434062, AI924355, AW470096, AI587292, BF874643, AW117428, AW580274, BF868508, AI654014, BF087377, BF869266, BF513758, AI811475, BE708082, BF357751, BE741425, BE813613, BE169719, BF087843, BF833377, BF515872, BF738579, AI189904, AI859730, AI673741, AI620114, AI866635, BF851802, AI301537, BE208180, AA482607, BE899205, AI701707, AA459296,

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HAPQU71	140	864781	1 - 1865	15 - 1879	BE742577, BE315537, BE898768, BE745817, BF035770, BE271940, BF037055, BF037980, BE158907, BE898287, BE612349, AW992960, BE709528, BE744647, AA482434, BE019873, BF087379, BF326584, BE743131, BE747485, BE740044, BE709885, BF352583, AW102841, BE047819, BE709842, BE740070, AA459527, BF848859, AA781487, BF847782, BF876013, AA477819, BF087337, AW580272, AA358887, BF847776, AA434062, AI924355, AW470096, AI587292, BF874643, AW117428, BF868508, AW580274, AI654014, BF087377, BF869266, AI811475, BF513758, BE708082, BF357751, BE741425, BE813613, BE169719, BF087843, BF833377, BF738579, AI189904, BF515872, AI859730, AI673741, AI620114, AI866635, BF851802, AI301537, BE208180, AA482607, BE899205, AI701707, AA459296, BE206457, AA314951, AW190041, BE271966, AI858988, BE171333, BE271575, AI093119, AA634679, AI276354, BF351727, AA525222, BE740115, AA291423, AI686752, AA292224, AA482580, AA477820, AI687687, AW992971, BE707992, AI537880, AI624088, AA493655, AF146796, AC004909, AF111856, AC006393, AC006393, and AC006393.
HAPQW18	141	610052	1 - 542	15 - 556	BE672042, AI912701, AI890552, AI745193, AI973098, AI769084, AI630869, AI767554, AA968619, AL519427, AL524219, AW206605, AI380311, AI624824, AW135565, AI970430, BE464124, AA031259, AI393659, AW795851, T81908, BE932418, AI266275, AI218204, AI681165, AA081797, AA031333, AI350313, AI560521, BE710531, BF930742, AW869405, AW795881, AC022930, AC022930, AC022930, AF238376, AF238376, and AF238376.
HAPQX44	142	779053	1 - 1618	15 - 1632	AV715045, AI694661, AI871631, AA622514, AI143235, AA071502, AV683115, AI498301, AW028350, AA082324, BF927531, AV689586, AA700825, AW994073, AI279901, AW779350, BG055383, AI911036, AA759227, BE045131, W89105, BE181513, W89051, T02938, AW194764, AA477253, AA679322, AW874697, AI191945, AI191956, AI150264, AC004832, AC006974, AC003012, AC018646, AL359272, AL136137, AC004847, U95743, AL034376, AP000080, AL049743, AC003662, AL353748, AL035420, AL109953, AC019187, AL136374, AL391867,

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HAPRK55	143	735887	1 - 1366	15 - 1380	<p>AA719016, BF335359, BF767768, AA515728, BF946053, W96522, AI024054, AW970987, AA828592, AI821382, F19606, AI635819, AA302971, BE243506, AV649853, AI061147, AI754170, H63066, AL037856, BE880415, AA678491, T11828, AW835708, AW069412, AV649707, AA632765, AI570943, AA845333, BF817546, R87275, BE062159, H43771, BF925233, AI820796, AI826761, AL047247, BF733884, R87883, AC004383, AC020552, AC008403, AC004144, AL050318, AL109804, AC005736, AC002365, U75931, AL031846, AC011811, AC004913, AC004167, AC009333, AP001670, AL121899, AC011504, AP001331, AC004832, Z98884, AC005921, AC000353, AL031118, AL117348, AC008569, Z93023, AC027319, AL162272, AL133445, AC005200, AC009032, AL031658, AC005251, AP001718, AC004089, AL035071, AL049759, AC006023, AL136305, AL031427, AL109976, AP001759, AC006112, AC005015, AL109825, AL391122, AC005332, AC005522, AC005098, AL033525, AC009087, AL021155, AL035681, AC011497, AC004975, AL353653, AL035249, AC005664, AF038458, AC005225, AL355515, AC008812, AC002126, AC011293, U95743, AC005081, AC006449, AL034420,</p>

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HAPSH37	144	847021	1 - 1366	15 - 1380	AW384937, BE160781, BF529738, AW580925, AI144298, AI034355, BE565482, AW296065, BE677893, AI672266, AI796992, AW083221, AA419101, AI922745, BE702563, BF679286, AA398731, AI671455, BF109438, AI797317, AI311916, BE707140, AA504182, AA393393, R83777, BE811312, BF763831, AA216462, H61773, AI810853, BF763826, AA350248, H07925, AI002531, R83343, BF879713, BF477911, BF433628, AI360664, BF667567, R28101, BE932879, AW891590, AA670228, AA410650, BF978002, M78650, BF475926, H61774, AI290315, AI041588, H01090, AW889623, R45281, F10460, AW891816, AI868885, BF222189, AW390662, BF804385, AW821148, AU154050, AW393511, AW889632, BF897990, T54901, AA601376,

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HAQBG57	145	837545	1 - 1034	15 - 1048	BE562515, AI742455, AI961996, AA507216, AI190639, AA731364, AI673081, AA593594, AI003558, BF528073, BF885284, AI435334, AW438908, AI381200, R69327, AI204170, AI739035, AI401755, AI591140, AA432147, AA251459, AW967618, AA446655, AI682154, AW613695, AI500259, AA398391, R79970, AI149747, H97579, AI263813, AA401707, BE350370, R69328, AA670245, AA643922, AA852081, BF345349, AA889222, BE782687, BF034010, and BF038771.
HAQBY85	146	832384	1 - 1868	15 - 1882	BG119049, BE250992, BE254599, AW382173, BF514779, AA608749, AW008890, AA253382, BE939553, AI800150, AA837024, W89023, AA662691, AW749390, AW748596, W89024, AA699404, AA935978, AA036826, AA158032, AA775921, AI278341, AI246291, AA688389, AI582781, T64857, AA748991, AA888418, H88471, Z19284, Z43974, AI769233, C21449, AV727411, F06945, AW818492, AW150474, AA677255, AA543055, BF757728, BE815811, BE542234, BF816107, BE091109, BF676036, BE836661, AI335654, AI193902, AB018326, and AC005007.
HAQBZ15	147	801966	1 - 2240	15 - 2254	BE260056, BG035487, BF344378, BF526374, BF984346, BE260510, BG031222, BE783064, AL042576, AW961029, AI978623, BE314256, BE395235, AW410058, AW964329, BG253002, BG003227, AU134349, AW995362, BF087734, AI818399, BF087860, AW967225, BF313051, BF087837, BF758009, AA921973, AA430575, BE205802, AI038345, AA699733, BE350196, AI033886, BE712425, N42316, BF087848, AI365948, AI921951, BG031861, AA113157, AW615817, AA219262, AI219706, N29539, AA478187, AW297541, R11659, BG015611, T57479, BE712676, BE939228, AW751613, AI051886, AA961539, AI805015, BF996630, H98088, AA478030, AA878785, R12265, H53625,

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HAQCE18	148	604906	1 - 270	15 - 284	AI376044, AI537459, and AK000776.
HAQCF94	149	795993	1 - 1601	15 - 1615	AA659388, AW853155, AL042300, AW975062, BE834590, AI674461, AI674517, AW449192, AW975067, R23565, H52947, T18988, AV704610, AV703880, AV704679, AV703597, AA659202, AI435510, BE842743, AA373079, AI272122, AA373078, H52948, BF370478, BG057757, AR063942, and AC021078.
HARAE26	150	560598	1 - 1231	15 - 1245	AA317415, AW500684, AW069227, AL038606, AW303196, AA284247, AA719292, AW301350, BF725844, BG029528, AI755214, AV760019, AI207465, AI923052, AI754105, AI754567, AW237905, AA760655, AI380617, AI254779, AA713946, AA630854, AI279417, AI311647, AV756491, AI332615, AL120343, AW576251, AI625604, AW438539, AI620992, T74524, AW327649, AI440117, AA833875, AA833896, BE062476, AI061313, AW856329, AA679634, AW468048, BF868994, AI275982, AA513851, AA492584, AW753399, AV710809, AI284126, BE252421, AA666332, AW327868, AI278440, AI277373, AV682003,

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HARAT69	151	769389	1 - 1947	15 - 1961	AL524234, AA100250, BE882416, AL524233, BG118639, AW964377, AI741401, AW959906, AI393036, AI831896, BF818037, AW340362, AA770366, AI203420, BF962786, BE219229, H29047, AA704470, AI453361, T61914, BF739883, BE018560, H29149, AW206127, AA318182, T79997, T02839, Z40862, AA953034, T50337, AV693344, R37580, F07775, AA326870, AW965067, BF591216, AI225197, AV741460, AA812883, AI291908, AW271074, AW138379, BE302153, BE138398, BF718268, AI335367, AI305794, AI376490, BE043669, and AF070590.
HARAZ81	152	832380	1 - 922	15 - 936	AW964407, BF308448, AA133351, AI955259, BE796212, BE791557, BG115810, BF037117, BE257947, AI201081, AI479643, AI371725, AI338226, AI272799, BE786863, AI523836, BE512992, AI832556, AI360813, BE744787, BF971945, BE795339, AI911189, AI332998, AV733716, AW105647, AA449114, AA417906, AI160821, AA812681, AV756337, BF667373, AA196804, AI687745, AA074869, AA677398, AI949595, AI028708, AA806308, BF685157, AA779378, AA652508, BF037939, AA719870, AV701912, BE730232, AI804084, AA583945, AA713507, AI076158, BF684668, BF686755, AA758900, AA628636, BF207166, AI738876, AI084956, AA513306, AI081646, BE793024, AA593880, AA478598, AI192864, AI189240, AA419554, AI401016, BF032897, AI871846, BF733159, AA620875, W42538, AI094068, BF694324, AI242445, AI188600, BF975403, AI274502, BE385728, AI187079, AA962082, AI284416, AA657626, BF680048, AA463687, BF309104, AI243176, AA196803, AV744973, AI224529, F19538, AV709297, AA308585, BE559524, AA468047, BF244980, AA234166, AA234913, AI804825, AA987467, AA318396, AA187442, AI127473, AA234914, AA233918, AI147167, AW403920, AA721050, BE281458, AI476030, AA482379, BE717214, AW873836, AW795107, BE163110, AA463761, AA471119, AA091369, AW844269, W31092, AA468083, AW844282, AI253673, BE698022, AA969703, BE698050, AI220722, AA312835, AW300509, AA229993, AA469001, AJ003540, AA468096, BF374556, AA357299, AA468927, AA720885, AI186421, N44134, AA479333, AA872664, AA449548, AV742900, AA385197, BF027226, AA906776, AW794203, AA833536, BE833240, AA887208, AA318716, AA187616, AA383017, AI371742, BF819540,

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HASAU26	153	845848	1 - 3839	15 - 3853	AU124401, BE797853, AL528340, BF690547, AU118387, AU132836, BE875392, AU140227, BF664432, BE615674, BF568276, BE792474, BE274361, BG256038, AU124550, BF973668, BE906440, BE729190, BF568338, BG122336, BF038990, BE786205, BG117655, BG181114, BG032615, BE888221, BE736755, BF313050, AU132782, BF206196, BE798469, BG250285, BF664365, AU123878, BF315873, BF569127, BE894358, BE784119, BG171850, BE295819, AA780369, BF239249, BF312233, AW007107, AW247178, AA580485, AW250777, AU154287, AU129989, AU144969, BF689646, BE274273, BF568513, BE168071, AU152044, BE313362, BF843422, BF727210, AW815024, AI889446, BG166955, BF925267, AU148379, AI884601, AU158373, BG166740, AA522499, AW373173, AI015546, AI147855, AI186906, AU154243, BE312550, BE148833, AI373440, AI095689, AA968892, AI095487, BE696538, AI160325, AW248208, AW264535, BE046408, BE328173, AI510750, BE646377, AI950938, BF309260, AI076886, BE676303, BF926526, AW960861, AL528339, AA682646, AA857237, AA552042, BF980572, W84895, AA292010, AI347872, AI922212, BF116210, AA427845, AW601975, BE707476, AI955240, AA563839, BE312229, AI078440, BF926531, BF314730, BF852678, BG014610, AA810917, AA829942, W59997, AA705524, AI907974, BE207828, BF926537, AW080506, W84389, AI306459, AI001734, AW373196, AI139220, AI498719, BF090856, BF868677, AI199919, AI222477, AA658432, W52743, AA651737, H38325, AA029082, H24155, W84700, BE262505, AI400698, AI147570, AW167244, AA179393, BF092458, AA037365, AI826643, AA483287, W79003, W56553, AA527305, BE696591, AA494526, AV706677, BF568826, AA322219, BE244368, AV705159, AW005232, AA628070, F25100, BF436609, H80778, BG035754, AI143990, BF849923, BE696636, AI401029, AW073254, F36694, R46537, AI272259, AW971294, AI864420, AA853001, AA853002, R83484, Z25334, AI445556, BF931196, AI754896, AI421725, BE243609, AA397929, AA182708, Z45924, AW387124, BE825150, F21719, BF978287, AA826586, AA302034, BG007998, AW603504, AW510381, AW193587, AA426012, BF091168, AA704475, AI205926, W56661, AI886447, AA029081, BE696615, BE259593, R50381, BE464901, AI338720, AA393733, BF569304, R46538, AW750193, AA355740, AI079621, AA371718, W17012, F30012, BF923138,

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HASAX57	154	654833	1 - 1343	15 - 1357	BE739647, BF207870, AW779917, AI458231, BF197575, AI342645, AI707805, AI253782, AA256395, AA256396, AI559913, AW572058, BE739185, AW029032, and C02450.
HASAY07	155	834511	1 - 796	15 - 810	AW029550, AI421071, AA749013, AI089760, AI216061, AI216062, AI276275, AI394514, AI224860, AW589309, AW589316, BF196821, BF939740, AI522243, AI769458, BE464969, AI151215, AI865920, BF438487, BF063523, BE857269, AW291447, AI271823, AI580333, AI373605, AI246373, AI690129, AI767834, AI971196, AI796985, C18262, BE220875, AV718681, AV742001, AV724520, AV720464, AV718692, AV718844, AV720731, BG149812, AV742667, AV722801, AV719783, AV701017, AW361828, AW361900, AV718489, AV743601, AV701248, AV700229, D80219, D80253, D80227, AV744934, AV745080, AV742720, AV701431, AV719000, AW973447, D59275, AV744771, D80043, AV701043, D80240, AV741012, AV743008, AV701443, D80210, D59787, AV701428, D51423, AV720220, AV723927, AV699447, AV701154, D80134, AV700889, AV721784, D59619, AV699927, AV744773, AV744768, AV745724, AV745831, AV701125, D80391, AV745723, AV701261, AV701012, D80193, AV701166, AV701118, AV740535, AV720607, AV701163, AV737584, AV743654, AV720812, AV720034, D80196, AV741888, AV701332, D80949, C14227, AV745369, D59927, AV746385, D51250, AV745488, AV718707, D80366, AV746335, D80168, AV700622, AV720203, AV744770, AV745366, AV699479, AV745392, AV701055, AV701149, T11051, AV746162, D50995, D81026, AV701145, AV723097, AV701004, AV719568, C14014, AV719822, C75259, D80045, AV738934, AV699550, AV701121, AV701344, AV701335, AV701231, AV701422, AV720150, AV699669, AI557751, AV699746, AV701021, AV719913, AV720211, D59889, AV701013, AV745847, AV718858, AV699682, AV701357, AV745490, C15076, AV745621, AV701330, T23947, D80022, AV719324, AV701151, AV745920, AV701227, AV745853, AV742996, AW063533, D80038, AV700895, D59467, AV745583, D80195,

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HATAE01	156	654834	1 - 797	15 - 811	AI733856, AI923052, AW500029, AL135377, BG223550, AW969941, AI754567, AI591118, AI380617, AA527209, BE872393, AA644090, AW576251, AA524616, AI061313, AW872676, BF725844, AA169245, AI251576, BF681619, AW630298, AW576485, AW963444, AW851405, AI274011, AI887235, AI612142, BG236735, AA857486, AA704393, AW500684, AI687343, AI583466, AW979191, AI306232, AL038842, AI620354, AW237905, AI754037, AI755057, AV762430, AI114557, AW274191, AI583252, AW966611, BE301584, AI755214, AC008372, AL354864, AL391122, AC006483, AC006241, AC005778, AC008969, AC005231, AC010271, AL450224, AF168787, AC004867, AC004686, AC004019, AL023553, AC004253, AL137039, AC008745, AC004166, AP000555, AC008044, AF107885, AC008753, AC005971, AC005081, AC005098, AC005212, AL096791, AL117377, AC005522, AC005777, AP001725, AC004840, AF190464, AL353807, AL049776, AC005899, AJ003147, AC002073, AC004887, AC006084, AL122020, Z85987, AC020552, AC010311, AC004847, AC004820, AL353701, AL391839, AC007404, AL138960, AC005747, AC007201, Z73359, AC005514, AC005696, AC002350, AC006312, AC005180, AC008626, AC006388, AC004675, AC005412, AL122001, AC018720, AC008403, AC005786, Z93241, AC018719, AC009516, AC002472, AC005288, AC007731, AL158828, AC007664, AL035587, AC005500, AC002072, AC005920, AC008738,

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HATAG52	157	598714	1 - 996	15 - 1010	AI129949, AA872685, D62470, H05049, D60235, D60505, D60722, D61233, H23868, AW517611, BF089730, BF089737, BF089718, H23914, BF089732, BF089733, BF089715, D60930, BF089739, BF089728, BF089723, D61106, Z40823, C15241, D81133, AA491680, D79646, BF089719, H23869, BF089720, BF089734, BF089729, BF089717, AL514691, AA631120, AL513817, AL514409, AL514627, AL514015, BG170937, BE540578, AA665587, AL513907, BE966547, AL514155, AL514493, AL513977, AL513901, AW118508, BE965014, AL515195, AL514919, AL514721, AL514543, AI829990, AI432570, BG026746, AI686749, AI624529, AL514791, AL513865, BE965169, AI499279, AI537643, BF764538, AL514623, AW162194, AL513999, AL514473, BE964994, AL513597, BE779152, AA575874, BG164371, AL514087, BF822127, AL513693, AI537837, BE892572, BE974031, BE966577, AL513553, BF753053, AI761468, AI583032, AL513707, BF970093, BE963879, AI567582, BG111094,

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HATAL05	158	847023	1 - 1185	15 - 1199	AW893936, BF665037, AA780214, AI673021, AA319025, BF908401, AA431683, R68939, N94844, and AJ278508.
HATBA90	159	588403	1 - 420	15 - 434	AA319454, AP001785, AP001785, AP000859, AP000859, AC018780, and AC018780.
HATBM71	160	598715	1 - 702	15 - 716	AW861413, AC023395, AC013558, and AC023395.
HATCF80	161	780460	1 - 2489	15 - 2503	BF339811, BG122135, BE875617, AA478932, BF103548, BE876216, BF215983, AI524796, AW958127, AI140755, AW955639, BF332022, BF979162, BF514220, BF058310, AW298197, N72878, BE089984, AI023398, AI086337, AI287670, AA699963, AI129285, AI874257, AI910979, AA732824, AA777550, AA703405, AW020170, AI767807, BF215446, AI436328, AI080218, AA004862, AI742101, AA634298, BE934102, AV703219, N62654, BE881468, N66921, AW518873, AW256295, BE502078, AF202960, R88933, AA738319, BF028197, AW651623, AA513848, AI050008,

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HATCI67	162	847024	1 - 1094	15 - 1108	<p>BG034098, BE877241, BF058520, BE856379, BE881016, BG026242, AA404709, AI096907, AI142557, AW966826, BF195157, AI074500, AW139039, AI630178, AI921159, AV655985, BE891605, AI955699, AI094295, AI801463, AA196603, AI828467, AI801258, AA595775, AA622790, AA961674, AA196602, AW952959, BF437521, AA927178, AA974990, AA926840, BE440056, AI302567, AI133070, AA292698, BF477828, AW964572, AI418531, AW130119, AA037836, BE858455, AI249082, D19601, AA452549, AI202938, AW779414, BF380123, AI423897, AI079717, AW088480, T79142, AA970426, AA037835, BF447346, AV712531, AW274036, AA317989, AW838379, AW473243, R09357, N64781, AW104842, AI673440, T79223, R80809, AA621613, AI630428, AI567188, AI956021, AA907717, BE049469, AI349466, AI352275, BF380134, AV738679, AA047624, AA284376, BF377286, AA936174, AA284125, T39989, AA404310, N76193, AW733115, BF745231, AI361349, BF760352, BG035872, AA344226, AA286984, AW838245, AA430956, BF850753, AW779293, AA321009, AA829495, H96318, R81012, AF118070, AL157431, AC013606, AC013606, AC015685, AC015685, and AC015685.</p>
HATCJ27	163	847025	1 - 916	15 - 930	<p>AI654115, AW102618, AI038527, AW195055, AW891503, T18999, BE764818, BF086642, AA134696, AW891479, AA076909, AA115326, AL049437, AC004668, AC018645, AC006379,</p>

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HATCS79	164	848564	1 - 780	15 - 794	AW976299, AU158177, AI400634, AA648537, AW148642, AI686937, H08084, H05599, BE972835, AA778728, R37326, H08212, BF977151, AA749072, BF037560, AK023708, and AC074091.
HATCX03	165	899395	1 - 1131	15 - 1145	BE671026, AA400920, AI149738, AI681025, AW297392, AW451362, AA782555, AA393952, AI187402, H16244, R42862, H10214, R54075, BE671675, Z39477, AW129096, H10268, AA012946, AA018460, Z43406, R37860, N54009, AL514793, BG108324, BF970731, BG032214, AL514129, AW999049, AV756393, AI349645, AI500077, BE048319, BG180996, BF882343, BG036846, AW169653, AV757598, BG058398, BG030364, AW071349, BF812933, AI521012, AI349772, BG109270, AL036146, AI340582, AW301409, AW087445, AL515375, BF883916, BE966388, BF971016, BE047952, AI758437, AL036361, BG260037, AA225339, AV760102, AW827249, BF527014, BG164371, BG058208, AL135661, AI702406, AW071417, AI249257, AI590128, BE904295, AI436456, AI702433, BG257535, AI564719, BG110517, BG031815, AW103371, AW238730, AI348897, AA572758, AV757639, AW827203, BG105099, BG112879, AW274192, BF816811, BE964633, AI340519, BG110684, BE048071, AI538716, BG120816, AV686346, BG168549, BG151247, AI433157, BG179993, BE048135, BE964614, BF037097, AI274541, AI620284, AI281779, AI857296, AI498579, AL040243, AW162071, AI282281, AW075351, BE887488, AL515047, AV682479, AI312428, BF817926, AL079963, AW148320, AW104724, AI682841, BF724691, AW129106, BG110283, AI349004, AV756150, BE891942, BE963035, AL043326, BF343172, AI567351, AW074993, AI800433, AI349614, AI868831, BG032208, BE781369, AL044207, BE172767, BG168696, AL046849, AI619502, AI433976, AI802542, AW268253, AL045500, AI497733, AI312152, BF795712, AW026882, AI345735, AI783504, AV764282, AL036396, BF812938, AI800453, AI349933, AA640779, BE964700, AI349937, AI340603, BE964812, BE018711, AW089572, AL036274, BE964876, AI500659, AV682792, AW068845, AV717179, BF812961, BF794994, AL036403, AI866608, AL036802, AA508692, BF726421, AI269696, BE048013, BE965432, AI275175, BF340031, AI570384, AI224992, BG030189, BE620084, AW150578, BF034349, AV758668, AI636445, AL119049, BG222103, BF103225, BF792469, AV702623,

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HATDE03	166	831097	1 - 1913	15 - 1927	BE739465, BE891978, AI064814, BF574666, AW500374, AI672465, AI018787, AW052053, BE535718, AI085948, BG113775, AI990302, AI953673, AI420283, AA133962, BF222709, AI950950, AA531344, AA581887, AI539437, BF576522, AI191578, AA947570, AI765646, AI678816, AI128106, AI769529, AA576370, AW665382, AW611714, BE466886, AA487550, N47086, N46831, AI360979, AA531240, AI066702, AI968589, AI298611, AI952473, AA424262, BE463868, AI655143, AA714725, AI678531, AA278524, AI923495, AA447968, AI806746, AI954030, AI869033, AA134028, AA960785, AW207365, AA947634, AW136008, H11944, H28911, BF211396, AI217739, AW631302, AA417939, AW594400, AI696137, AA835689, R52424, R77636, BF431514, AA970398, AI800080, R38869, AW235319, AI910543, AV714244, AI475414, H11945, W37736, H28910, AA491492, AI669956, R82055, BF432711, AA531383, AI002331, BF446566, AA505809, AA508666, AA828887, AF202372, R40339, R15052, R15026, R77637, AI934568, R15027, R24749, BF431117, AW182669, AA609326, AI559909, AW207410, AI657192, AA653714, AI364644, R33663, AW999003, R41466, AF202334, AA405665, AW196963, R33778, T80571, AA476851, R41465, AF202335, R41488, R45544, AA745998, AW138013, BF687916, BF093940, BF949563, and AL035252.
HATDF41	167	785628	1 - 1302	15 - 1316	AI621225, AV747671, N63573, N92200, AV746634, BG231726, AW183140, BE856270, AW167032, BF948891, AV748252, BF435347, AI858359, AW148853,

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HATDH23	168	603959	1 - 1326	15 - 1340	BE501362, AI655555, BE046961, U69204, AW135384, AW885981, AW952627, AA922435, F07076, BG109227, H83335, H04786, T04880, Z38941, M78402, BF679749, H17078, BF434418, BF195094, AI917865, AA459264, AA682757, AI816775, AW815883, AW502971, BE833526, BE833420, AA703265, Z40171, AI968933, BE886315, AI204895, Z42798, AA837300, R13314, BE741639, BE154322, BG008525, BE741379, BE743916, BE046895, AI202971, AI557275, AF013970, AF069747, AF076461, AL121906, AF052210, AF068266, AF076458, AF076457, and AF076459.
HATDH55	169	847323	1 - 2083	15 - 2097	AW965167, AI818248, AV751582, AI973120, BF968711, AI655459, AA402799, AI424040, AI655673, AI423152, AW086426, AI754194, AI758361, AA576540, AI261621, AA402807, AW665992, AI952311, AI887993, AW148650, AW771900, AA759224, AW342012, AI271342, BE828082, AW021496, BF208987, BE968521, BE972439, D62867, AA345189, C16554, AI472528, AA452472, D61742, AI582519, AI935911, AI049844, D62022, AI572728, AW130595, AW958018, AW264671, D62562, AA248386, C01046, AA804737, AF199023, and AX035230.
HATDO84	170	609850	1 - 944	15 - 958	N22428, AI049709, AA284247, AI635440, AI887235, AW192179, AI440117, AA515728, AV755593, AW973992, AA683069, AI380617, AI821931, BE501593, AW467607, BF725761, AW237905, AV756491, AI753672, AI358712, AW023111, BF526964, AI493583, AW963444, AA657752, AI249365, AC025275, AL096840, AL049839, AL158046, AC027644, AC005231, AC004181, AB000876, AL357519, AC020552, AL031291, AL121886, Z82194, AC002310, AL008725, AC005619, AB000882, AC011811, AC007868, AC004000, AP000505, U95742, AC007011, AL035587, AJ400877, Y14768, AC006088, Z82244, AL109925, AP001752, AP001052, AP000509,

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HATDU01	171	847028	1 - 1288	15 - 1302	AI963460, AI521577, AA663192, AW085712, AV703782, Z30289, BE762852, AW800403, AA912320, AW593663, AW969743, AA483606, AA570740, AA644090,

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HATDW05	172	566849	1 - 544	15 - 558	BF968910, BF726628, AI590120, BF970768, AL041772, BE047737, AW020095, AW673679, BG029053, AV735235, AW071417, AI567582, AV757737, AL038445, BG168549, AL036274, AL036361, AW161156, AA225339, BG030364, BG178488, BG108244, AI921248, BE045182, AW059828, AI868931, BE736300, BF885081, AL041150, BF344691, AW238730, BF343568, AA572758, BG113188, BF885675, AV682645, AL036403, BE965067, AI340603, BG179633, BF883916, AV746964, AW189301, AV729890, AV760409, BE964497, BE965724, AL036146, AV733734, AI345543, AA580663, BG027280, AW806761, BF924882, AI783504, BF971016, AI572787, BG029667, BE047833, BE048071, AI348897, BG166654, BE964876, BF904265, BG179993, AI312428, AV647670, BF872670, AV648263, BF338002, BF968558, AW673635, BF343172, BF856052, AV682809, AL038605, BF822127, BE877295, AI554245, BE172412, BE886827, AI569583, BE878028, BG249582, AW151136, BG165051, BF527014, BG112718, AI500077, BE895585, BE785868, AL119863, AV712672, BF826445, BF814357, BG110684, BE047952, BF816037, AW169653, BG058150, AI433034, AI431424, AI349645, BG260037, BF814525, AW089572, BG180996, AI335426, AI802542, AI348777, AI699865, AI497733, AW999049, AI269862, AW827115, AW161579, BG257535, BE886728, AI815232, BE964614, BF924897, AW302965, BG110517, BE048087, AA640779, AL118781, AL120853, BG168185, AA613907, BF792961, BF038131, AI478123, AV734130, BG113385, AI439717,

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HATEF13	173	782358	1 - 1665	15 - 1679	AW971762, AI809005, AW968446, BF223096, BF434222, AL135712, BE464090, AA961822, AI936383, AW241448, AW296283, BE867187, AW241505, N80207, AW195211, AI807109, AW299231, AW473218, AA459127, AW241601, AI203172, AA458908, BF247444, BF223606, AI801133, H67242, W38497, AL135711, BE552408, AI522215, AI671270, BF083419, BE172783, AW440083, AL133380, AC069126, AL133380, and AL359819.
HATEF64	174	571035	1 - 1321	15 - 1335	AW976316, AI655969, AW014726, AI248683, AA748659, AI291114, AI828956, AI243118, AA971994, AA953845, AA724447, R86082, AA929012, AA758001, AI004477, BF445841, AI275536, AA608936, AI142787, AA084349, AA490646, BF889329, AA077124, AI381367, AA077006, AW811569, AL118502, AC069008, and AC069008.
HATEH40	175	637513	1 - 549	15 - 563	AI927895, AV682108, AA977532, AI219411, AW819739, and AI370381.
HATEI22	176	858585	1 - 2404	15 - 2418	AW025332, BE387500, BE272406,

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HAUCC84	177	830672	1 - 1294	15 - 1308	AL532628, AL532672, BE383865, BG165584, BG118974, BG254895, BG032294, BF125805, BE563592, BE275966, BG251927, BF982112, BE882130, BE273386, BE621346, BE621600, BE910077, AW340002, AW662348, AV690660, AW956285, BF125984, AW263252, BE786915, BE878459, AI302813, BE384949, AA806234, AI800828, AW337920, AI685453, AA582942, AW960290, AW150706, AI566501, AI802925, AI022951, N32077, AA743819, AW887044, AI160053, AI336188, BF724458, AA643850, AW874420, AI091958, AW081284, AA512938, AI687081, AW051587, AV712884, AA884985, BG118001, AI738521, AA812286, AI185199, AI761431, BF588732, BF089694, BF131600, AA403009, AU155358, AA047094, BF062838, AW130755, AI554205, W60982, AW069431, AA143405, AW511552, AI086947, AI952635, AA862513, BE713090, AW025157, AW591573, AI674916, AI911657, AA457705, BE735733, BE713112, AW418700, AA410666, AW009464, BE713101, AI684131, AI811699, AI613185, AA043722, BF025858, AA101008, AA143404, AI812095, AI695151, AA662383, AA034911, BE786538, AI445209, BE551911, AI306627, AA152449, AI446572, BF089713, AI760791, AI093619, BE713115, AI955408, AI344379, AI739460, AW002682, BE816322, N29782, AI824906, BF588514, W52269, AA622005, AA586560, AI798484, BF328748,

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HAWAS41	178	877621	1 - 995	15 - 1009	<p>AA320493, AI613459, AW888719, AW151102, AA324108, BE062357, AV737323, AA595661, BF896020, AA191418, BF797630, AI523205, BF868826, BF880881, BF681465, BG110480, AI310670, AI754257, AI251696, AF106953, AL034380, U47924, Z93023, AL163279, AC005081, AC018755, AL022326, AL162505, AC003101, AF134726, AC009032, Z99128, AC006948, AL358777, AC011475, AC005000, AC025588, U52112, AX039602, AC008747, AL080243, AC006511, AC004686, AC004526, AL020993, AL109797, AC008733, AC005527, AC011497, AL135744, AC005696, Z93017, AC004876, AL049840, AC004867, AC007226, AC006317, AC004762, AL442167, AC005015, AC005821, AC002369, AC016940, AL163285, AC008050, AP000502, Z99716, AC004922, AC006538, AC010271, AE000658, AC006277, AC006483, AC005089, Z83844,</p>

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HAWBA65	179	542056	1 - 547	15 - 561	BE882043, AL157550, AA779384, AA421118, H01594, T95256, BE385065, AA393042, AA320903, BE698005, BE697965, BE928303, AW149302, AI208944, BE928327, BF336084, AA834024, BF989445, BF951328, AA165096, BF678545, BG004406, BE541639, AV685396, W80650, AI654291, BF858156, AW975618, BF854283, BF813521, BF858151, AV718692, AV699550, AW966053, BF808929, AV724520, BE697956, C14429, R75688, AV718489, AA299975, AW978634, C14389, AW964468, AW966531, D80269, AW966534, D58283, AV738340, AV720791, AV718681, D80227, AW949645, AW959628, BF989035, AW973541, D59619, AV742048, D80210, D80195, AV720203, D80240, AV720028, D80166, AV718440, AV718844, AW975621, D59859, AV720731, AW965177, D51799, D51423, D80219, D80391, D81030, C14331, AV719188, D80253, AV719822, D80212, AW966062, D80268, T03269, AW960553, AW973307, AW966330, AW966054, AV719324, AV719783, D80043, D80196, AW959570, D80188, AV718800, AV699927, D59927, AV720211, AV720464, AV719557, AV718770, AV722801, AV699447, AW966013, AV723927, AW949642, D59889, AW949656, D80366, AW966041, D80193, D80038, AW959598, D80022, D51060, AW949632, AW964756, AW966050, AW959597, D80378, AW965158, AW949643, AW949629, AW949641, AW949633, AW978661, AW949631, AW949657, AW959202, AV742001, D59275, AV720812, AW949618, AV721386, AW949653,

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HBAGH64	180	801884	1 - 1704	15 - 1718	AA418617, BE018485, AI658681, BE466145, AI806836, AI653272, AA004211, BF970406, BE302094, H10330, AA594901, W03931, AW953290, AI580148, AA506350, AI804211, BF589715, R61309, AA721162, AI810310, N62384, AI669907, AI342168, AA452114, AW022528, AI262137, AI264925, AA680147, H10331, AW275301, AA765972, N79353, AA350799, AA485210, C15277, AI867727, BF086698, AI474438, AA093047, D60782, AI129224, AI535847, AA350798, AA897480, and AV714899.
HBAGV01	181	862000	1 - 408	15 - 422	AW272267, BE535679, AI984059, AI675054, F20528, AI470603, AC068151, AC068151, AC068151, AC010333, AC010333, and AC010333.
HBAMC50	182	877577	1 - 2220	15 - 2234	AC019216, AC019216, AC016201, and AC016201.
HBAMC57	183	608189	1 - 293	15 - 307	BF107445, AI283755, AL356244, AC021035, AC021035, AC016745, AC016745, AC016767, AC016767, AC016767, AC021029, AC021029, AC021029, AC016424, and AC016424.
HBBA42	184	841010	1 - 1744	15 - 1758	AL533924, AL526520, AV726546, BF966887, BF218062, AA743107, BE888537, AV714517, AI057577, AV752140, AV716598, AV710532, BE878693, AV716036, BE962060, BE966331, BE882059, BF207637, AV722977, AV703746, BE047300, AW131478, BE617594, BF033541, AW150870, AA843907, BE616933, AW976418, BE882011, BE613767, BF033375, BF966230, BE677188, AW058604, BE971392, BE878403, AW965471, AA805743, AI802386, AV753593, AA129300, BG151522, AI703497, AI972411, BG169662, AI813381, AW262905, AI378956, AA843111, BE138908, AW103388, BG025124, BF348549, BF676381, BE550818, BE350759, BF672335, BF215482, AA706310, BE617091, AA932912, AI291412, AI628348, AI475943, AW474798, AI963276, AI123050, AA213765, AI956050, BE614633, AI491877, AV733199, AI719281, AA587471, BF216598, AA043390, AI347588, BF687718, BF196083, BF696446, N35701, BE065271, N21234, AA490529, AA314393, AI123498, AA947501, AI342758, N69513, AI241195, BE568258, AA588544, N46837, BE167778, BE566971, BE539032, BE897954, BF679384, BE242417, AA157014, AA662687, AA844513, AI299272, AI636378, H97173, BE939605, T63352, AA743140, AI692905, AI273073, AW517764, BF438947, AI473201, AA017285, BF221581, AI440270, BF093849, AA604634, BE567541, AA129265, BF439008, BF031010, AW674254, H85318, BE960830, AA890260, AV724404, AW235970, AW444825, AI264952, N27513, AA213837, AV656135, AI525304, AV652218, BG058352, AW195029, AI245588, AA043391,

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HBBBB08	185	736014	1 - 1042	15 - 1056	AW971745, AW972092, AW968355, AW968356, AW972093, AW968729, AW972091, AW971740, BE622828, BE612945, BE613136, BE622931, AI432655, BE613349, AI432644, AI623302, BE613070, AW969229, AI431310, AL134524, AW972090, BE621911, BE622868, AI431230, AI432653, AI432654, BE614307, AW081103, BE614237, AI431328, AI431312, AI432677, BE672759, AI431351, BE620742, AI431353, AI431347, AW858522, AI432650, BF448552, AI431354, AI432661, AI432675, BE672745, AI431337, AI431323, BE618811, AI431307, AI431316, BE672732, AI492519, AW128900, BE614451, BE672719, AI432651, AI432647, AI432674, AI432666, AI431330, AI431238, AI431243, BE672767, BE672748, AI431248, AI432649, AI432672, AI432665, AI431255, BE672742, AI431254, AI791349, BF589777, AI431357, AI432662, AI431345, BE672774, AW601637, AI431241, AI431346, AX030435, AR080280, AX030436, Y17793, AR035224, AF064854, AF019249, AR093392, AR091518, AX009487, AR093384, I85513, AR009152, AR009151, AR027099, AR093383, AR071207, AB026436, AL133074, AL133053, AL133049, AL133076, AL122101, and AL133068.
HBBBE83	186	838591	1 - 456	15 - 470	H30810, H30728, AI431323, AI432666, AI431307, AI432644, AI431316, AL042853, AL040207, AL042515, AL042787, AI623302, AI432653, AI431238, AL043321, AL042729, AL042508, AL042655, AW858522, AL042488, AL043091, AI432656, AL045891, AL135012, AL046356, BE672622, AL042533, AL042832, AL047611, AL515375, AL042842, AL043166, AL042931, AL047675, AL043089, AI431315, AL042745, AL047092, AL047163, AW968355, AW081103, AI431321, AL043295, BE672759, AI431235, BE672718,

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HBBMA11	187	787308	1 - 918	15 - 932	AI687282, AI559670, AC002525, and AL137143.
HBCAK10	188	810227	1 - 1939	15 - 1953	AW182452, BE250716, AI890424, AI640157, AW474326, AW130973, AI056660, AW150989, AI288965, AA242985, AW793562, BE250569, BE465736, AI744015, R06846, AI651429, AI636121, AA251971, AV650220, M91487, AI985781, R02003, R06845, AW363115, BG037194, and C01117.
HBCAK80	189	840585	1 - 994	15 - 1008	BF980156, BF674028, BF037396, AI827976, BE855673, AA122240, AV729165, AV729457, AW300253, BF196634, AA135573, N36519, AW410901, AI762869, AA135511, AI880537, AI085939, AA705100, AW088128, BE206370, BF836005, BG003693, AW136728, AW821580, AI281972, AI830500, N24943, AI906385, AV729280, AW411073, AA513331, AI718459, H28369, AW614334, AI095471, AA569826, AI364978, AI274978, BF836024, R81927, AI087085, N26135, N35045, N35524, BF836018, AI148221, AI628576, AA708712, BF838271, AW591320, AA115943, W27472, R81822, AW519187, H28882, AA398892, AI948784, C18639, AW372337, R51352, H13614, AW237761, H13481, AI139410, AI984811, H27676, AW271276, R70991, AU158069, AL120047, H04671, N33820, BG014002, N67646, R67033, BE833606, AI263016, H17503, H25341, BE350526, R64055, AW591389, R50101, H27677, BF332914, H28883, H26926, AI587366, AA322603, AA402183, AA295770, BE019815, AI635773, AI905178, H26920, AI628989, AI269612, BE791414, AW905503, AI951421, R85998, BF328512, R65656, BF364526, W01095, AI765226, BF944253, BF328499, AA708859, R52137, AW905501, BF364532, R63953, BF332907, BF332911, AI990599, H27825, BF332891, BF332899, BF332912, BF332909, BF332889, BF332888,

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HBCAQ48	190	525002	1 - 407	15 - 421	BE256875, BE396065, AW962240, BF341135, BE255603, BE279559, BE395916, BE257892, BF801910, BF347643, BE902725, AL514656, AL514630, BE272444, BF530222, BF568631, BE255314, BE620233, BE733233, BE885199, BG169667, BE297664, BE733249, BE732174, BE019874, BG114680, BE256319, AV697143, BE253762, BF303839, BE271968, BF684266, BF684779, BE272077, BF980642, AA326808, BE281078, AI751432, BE887497, AL536378, BF853540, BF816956, BE719362, AA366533, BG119570, BG171083, BF308912, BF343027, BE279612, BF314354, AA115980, BF317248, BF923458, BE542798, BF339840, AW404811, BE382805, AA159105, BF206383, BF932268, R17159, AW960079, AA356829, AA078892, BF854500, AA171866, AW068490, AF069733, AK000228, AL117487, AC026685, AC026685, AC018809, AC018809, AC018829, AC018829, AC011610, and AC011610.
HBCAY17	191	801885	1 - 1072	15 - 1086	AV706681, AA476916, AI493883, AI871168, BF513825, AI360093, AI167767, AI061121, AI421346, AI086735, AA236376, AI498914, T23477, AA477026, R43982, H10040, AA236377, H78174, BG057842, AW972915, Z40753, AA887091, AW802178, AA677504, BF901476, AA541412, R36912, BF339369, R49254, BF895794, H78173, H10094, AL514473, AL514155, AL514087, AL513553, AL513977, AL514721, AI583065, AL513597, AI678989, AL513783, AL513979, AI590021, BF970652, AI689175, AI873644, AL514455, AW079859, AW084117, AL514025, AI921176, AL513951, BG108268, AL513999, BG260144, AL514623, AI249877, AL514015, AI744525, AL514357, AI611743, AI677796, AI637584, AL514063, AL513631, BE965169, AL514867, AI863382, AI633125, AI919534, AL514627, AI589273, AI539687, AL514047, AI520785, AL515413, AI889376, AL514089, AW005614, AI476478, AI677646, AI679214, AA449768, AW198090, AW169001, AL514493, AI621362, AI826225, AI811344, BE965732, AI432030, AI498067, AI627988,

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HBCGE46	192	658669	1 - 1024	15 - 1038	AL022168, and AL050309.
HBGBA14	193	838123	1 - 751	15 - 765	AA523881, BF902063, AA524036, AI683694, BE620592, AI688317, AW612950, AW075896, BE620052, AI858933, AI394309, AW205191, BF197492, AI434019, AW151530, AA128407, AW973472, AI582008, AW571727, AI371369, BE794101, BE798086, AW512224, AI674185, AI683559, AA291456, AI636139, BE043958, AA554717, BE910647, BE263650, AI918634, BF849476, BF055737, BG026746, AI886022, BE874716,

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HBGBE75	194	897455	1 - 654	15 - 668	AL536280, AI955231, BG179057, AI206079, AW026331, AW024669, BE855489, AI970941, AI857681, BF847974, AI094928, W72349, AL522889, AA993576, BE312771, AI151201, AL522888, AA976654, AL529918, AI279251, AI298126, AI206570, AI970732, BE559854, AA827346, AI690486, AL529917, AA629364, AA565249, N21610, AW083823, BE797633, AW627603, BE900971, BE733200, AW572696, BF967854, AA219179, AA947014, AA872651, AL536279, AW963383, BE328453, BE798277, BF058075, BG248588, H11095, AA652504, R01128, AA652632, AA629373, AW130920, AA483793, AA757756, BG177985, BF314862, N24852, AA371908, BE267402, BF972913, BF847905, BF342795, BF683458, AA923072, AA658547, BE408165, W73999, AA505979, AA902241, AA878186, AI207999, R47466, AW630874, BG036991, BE264162, R53032, BE910594, BG164224, AA678984, BF699722, BE675006, AW273692, AA190207, BE781324, BF913852, AI581834, AW009129, AI865334, BE407272, AW975618, AI298127, AW949645, AV724520, BE716540, AW964468, C14331, C14429, AW965158, AW753053, AV718692, AW973541, AV718489, AW752082, AW177440, AV720791, AV699550, AV701335, AV718707, AV701043, AV701332, AV701017, AV701248, AV701431, AV701125, AV742001, AV701166, AV701149, T03269, AV701004, AV701357, AW966389, AW966053, AW973470, AV719468, AW966029, AW966065, AW960465, AW973334, AW966531, AW178893, AW978634, AW966534, AW966560, AW966330, D58283, AW966022, AW959799, AW966013, D59467, D59859, AV701443, D80022, AW966041, D80166, AW973474, D80195, AW975621, AW978648, D80193, D59927, D51423, D59619, AW978661, D80210, D51799, AW965163, D80391, D80164, D59275, AW960553, D80240, D80253, AV719822, AW964766, AV744690, AW966054, AV720203, AW964756, AW966050, AV719188, AW973307, D80043, D59787, D80227, AV701154, AW966062, AV719324, AV718440, AV718938, AV719783, AV720028, D59502, AW959597, AV718633, AW959628, AW965177, AV742667, AW975605, AW959570, AW959469, C15076, AV718800, AW973423, AW965185, AW965197, AW973485, AW965184,

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HBGBP22	195	703166	1 - 879	15 - 893	<p>BG179123, BE883370, AA151838, BG236025, AI986417, AW001107, AW205228, AI038277, AI130688, BF037593, AW663709, AA770539, AI021930, AI818929, AA757192, AI807176, W02199, AA679973, AA599683, W57937, AA703223, W27247, W57963, AW971190, AA962398, AI240975, AI222035, AI383436, AA126640, N49295, AI278988, AI291904, R53585, AI209098, AA493763, AA987557, AA126496, AA903943, AA627700, N77969, AI625520, AA831128, AW612754, AA917916, BE045416, AA151066, AA628631, AW793972, BF224211, AA856617, BF690623, T67092, R28241, AW615719, R45247, N74011, N49537, H96231, AA448565, H83891, H96764, AI049740, AW168790, AL119399, H18845, BF887597,</p>

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HBGFQ34	196	793803	1 - 505	15 - 519	AA809737, AW516225, H01451, BE793390, AW992403, and AC000134.
HBGML95	197	839192	1 - 439	15 - 453	AW954182, H17863, AI567123, AA767653, BF516444, AA993496, BE048283, AI679819, BG236153, AI799706, AI860759, AU151849, AI524226, BE222773, AI884486, AU159279, AU152476, AA421148, AI679243, AI554646, AW168928, BE675568, AA846599, AU159432, AA206837, AW001228, AI889279, BE891997, BG056447, AW193525, AA058367, AA447998, AI923054, W89146, BF032573, AI290066, AI358091, AA576924, AU159050, AL519889, AA599007, AW067953, AA969775, AA700339, AA523949, AA705404, AA652622, AA564967, H61752, AA593588, AW169777, AA402926, AA448141, AI696808, AI249113, AI805502, AU127207, AA887759, AA581976, F10215, T53109, AI277898, AI866503, AI804832, AA350860, AA773851, AW674163, T89112, AW473225, BF510199, T49466, AA887749, H29750, C14005, T61678, AI860478, AW295179, AI658678, AI199183, AI619916, AA527474, AI003564, H61751, BE350002, AI214409, BF437387, BF945929, BF944117, AW188721, BF945905, AA581255, BF943992, AI701266, AA715116, BF743601, W35420, AW087438, AA299510, AW375741, BF945906, AA570117, AA471194, AW959866, BF155226, BF155240, T73430, AI940516, AA548627, BF345148, T53110, BF155241, AI884326, BF115079, BF246171, BF945147, AW238218, AW951512, T29710, AW969585, AW879741, BF805880, BF808578, AK000679, and AK023930.
HBGMT60	198	840586	1 - 401	15 - 415	AI769689, BE675601, AI863005, AI678000, AW189963, AI986207, AW471273, AA317806, AI590161, AI335104, AI469257, AI954604, AW956075, R73463, AA856793, AI651948, AI500040, AI224459, AI217945, AI287290, AI708253, AI553687, BF923901, AI766992, AI399986, BE671802, AW572622, AI868191, AI919161, AI521061, AI424272, R50074, AA653763, AA335980, AA335672, R48744, AI932452, AA505828, H21954, AW196184, BF095230, AI564415, AI281867, AI955487, AI804505, BE909551, N29277, AI811603, AV654529, AI624157, AI802372, AW083730, AA805486, AI560679, AA464646, AW167918, AI690748, AI568060, AI382670, AI370181, AI277008, AI453487, BG107670, AI648408, AI624120, AW090087, AV692108, AI540784, BF339322, AL039086, AW102900, BF055899, AI690536, AW128983, BG032219, AI954293, AV756658, AI275686, AW022682, AI318603, AW366372, BF054877, AI918408, F36033,

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HBHAA53	199	603183	1 - 660	15 - 674	AC011462, AC023510, U91321, AC011386, AC011386, AC021201, and AC021201.
HBIAU43	200	840354	1 - 1232	15 - 1246	AI267349, AI371593, AA827978, AL036706, AW769291, AW021774, AI216978, AL138242, AW467323, AW410116, AW502305, AW105737, AL119298, AI311505, AI345900, BF797630, AW502100, BE147093, T48872, AI590459, AA714595, AL045709, BF340148, AI151261, AI254540, AI224184, AI275328, AI251250, AA533408, AI284881, AW268746, BF725504, AI284888,

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HBIAW58	201	596805	1 - 1496	15 - 1510	AI301719, AI310451, AI301268, AI284640, AI754955, AF330238, AI061313, AW407578, AW327624, AL042853, AI801482, AW969629, AW327868, BF827410, AA579179, AL120343, BF885741, AL120502, BE049095, AV755677, AI281881, AV760777, AW973397, AU144036, AV763290, AI434695, BF681427, AI754253, AI246796, AI307201, AW965008, AV710774, AI669589, AV710770, AL042420, AL048925, AW238583, AW028429, AW439558, AA456976, AL041690, BF991286, AV725431, AW513362, AW965237, AL121235, AI610607, BE389111, AA877817, BG236735, AV730310, BF325535, AI567076, AU145393, AW474160, BE042649, AL046205, AL044940, AW301809, BF592200, AV713243, AV761745, AW265393, AW956704, T06828, AW467362, BF797630, AV762982, BE252421, AW630298, AI254615, BE872393, AW662543, AA587604, AW473467, AI754658, AW080811, AA719292, AV761925, AI355206, AA533333, AV761155, AL119300, AV758600, AL038705, BE502107, AU120295, AI151261, AI889440, AC011489, AL136179, AL121586, AF196779, AP001412, AC005702, AC009470, AC004971, AP000152, AC005190, AL031311, AC004884, AL022315, U62293, AL022302, AC004662, AL161655, AL117333, AC005548, AC007383, AF181897, AC007151, AC005057, AC006536, AC010209, AC011497, AC008569, AL353807, Z82208, AC004825, AC015651, AL023581, AP000501,

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HBIBB20	202	897484	1 - 1245	15 - 1259	AL040502, BF312099, BE378197, BE875599,

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HBIBF26	203	845743	1 - 2087	15 - 2101	<p>AL519674, AL518564, AL530114, AL524125, AL518563, AL524124, AL519673, BG119582, BE736220, BE734743, BE782619, BF795936, BG248163, BE869185, BE893350, BF435225, BE905414, BG026633, BF033083, BF970046, BE885230, BF692625, BF692541, BE892741, BE393898, BE389940, BG163906, BE313920, BE312030, AI741613, AI762578, AI241474, AI813813, AI922418, AI990378, AA018345, AW631237, AW151233, AI400794, AI420163, BE550276, AI949071, AW963076, AI922430, AA614565, AW051437, AA018346, AA612852, AI000311, AI338519, AI360869, AW613433, AI356485, AW590872, W56183, AA417581, AI214800, AI671156, AA451942, BE242648, AW390145, AA001019, R69763, AI419907, AA768838, AA482598, AI696492, AW473585, AI674961, BE868575, AI247090, H08477, AA576510, BE391031, H06603, AI018102, T56902, W56260, BF372172, AA001020, AI285366, R87304, BF928779, BG152437, AA814595, AI569050, AI239612, H06633, AI623626, R69764, AA971138, H07140, BE856299, AI357631, AI001995, AW243905, R48323, BF003017, H43938, H52166, AA026966, BF988194, W22979, BF372164, H89737, R87305, BF677308, R48432, AA347636, AW080561, AA593837,</p>

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HBIBM33	204	852045	1 - 711	15 - 725	AC016738, and AC016738.
HBIBN67	205	598719	1 - 912	15 - 926	AI064865, BE793250, BF940979, BF435416, BG167256, AW772649, AA760907, AI990392, AI199769, AA456677, AI018375, AW197247, H93335, AA833523, H00842, AW193810, AW014357, R28226, H30802, AA251706, AI242965, H01226, H93839, R28240, R28199, AA603643, AI014969, AW880435, R27952, AX048187, AC025162, AC025162, AC025162, AC027529, AC027529, AC027529, AC034102, AC034102, and AC034102.
HBIBQ69	206	580807	1 - 1234	15 - 1248	H30708, AL048275, AV759632, AW068580, BF875954, AA502532, BF679710, AV764201, R95840, AC009756, AC011451, AC024561, AL162505, U56732, AC020916, AC005086, AC005182, AC006539, AP001752, AL049694, AL049870, AC004166, AL157713, AL034380, AL353706, and AP001726.
HBIBR38	207	612783	1 - 810	15 - 824	AI800957, AI864142, AA449997, AV756491, BF512900, AA825827, AA713946, AI889795, AI889804, AA704393, AW963463, AI282479, AW270385, AW504224, AA714110, AW021917, AW189113, AW502237, BE062478, AA129746, AW975043, AA701080, AI612142, AV762866, AW819125, BF811954, AI888468, BE062476, BE150803, AW023302, AW904850, AW835708, BE158716, AI560085, AI654285, AI583252, BE250197, AI732120, AI312596, AV738383, AC005736, AL157768, AL137784, AP001716, AC005971, AC011465, AC002126, AC010458, Z93023, AP000111, AL109804, AL035704, AP000563, AC006057, AL353807, AC005015, AP001711, AC008569, AL109623, AC011495, AL079335, AL133551, AP000291, AC004408, AC005566, AC011479, AL031427, AC005098, AC000052, AL121752, AC003101, AL132639, AP000113, AP000045, AC009247, AC004216, Z83826, AC009248, AL034420, AC005409, AL023583, AC005778, AC024563, AF243527, AF134726, AC008812, AP001760, AC004150, AC016655, AL022302, AC010419, AC005529, AL031283, AC021752, AL137073, AC004019, AC009244, AL031311, AC006011, AC005513, AC007425, AC008753,

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HBIBR61	208	824258	1 - 2192	15 - 2206	AU120948, BF530058, AW970203, AU146875, AV721313, BF877868, AW964743, AA534487, AA515017, BF108779, BF675408, AW452824, R88657, AA082670, H28144, BF944759, H29064, R88658, AA729228, H30613, AA326542, H29167, T15707, R85336, R85335, BF378118, R25826, R46824, BF439781, BF950579, AA598665, AA339360, AI276885, R53946,

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HBIBS33	209	590280	1 - 1407	15 - 1421	AI111171, AA658101, AI863180, AI811076, AA452879, N55560, AI261932, AC004839, AK025206, AC004839, and AC004839.
HBIBT13	210	608320	1 - 616	15 - 630	AL023656, AL356958, and AL023656.
HBIBZ20	211	688861	1 - 1394	15 - 1408	AU130622, BF894349, BF894387, AU129896, AJ006266, AK001585, AK001538, AL160471, AL160471, AL160471, AL352982, AL352982, and AL352982.
HBICB80	212	637516	1 - 771	15 - 785	BE794266, BE733056, BE795373, BF968344, BF206581, BF342354, BE897893, BE407957, AW245467, BE537419, AW250024, BG024362, BE563290, AW732049, BG031924, AL524830, BF670077, BE539026, BF671108, BG116499, BE312539, BE879384, AW245825, BE251000, AW249421, AA315377, AW732087, R25080, BF958045, AI056463, R15290, H21214, F23536, AA195980, BF981767, BF980462, H91907, R42196, AW603753, F28242, R45419, R54946, AA594148, AA081592, F37687, BF673970, AA593184, R51054, AA406204, AL524829, AI276310, AI559863, AI915243, AI866465, AI688848, AW168564, AV712254, AW328383, AI887775, AA838230, AI687054, AI634731, BF346243, BG029829, BE897632, AA693331, AI682749, AI918408, AI915295, AI446301, BE966533, AW963264, AW024793, BF725168, W33163, AI952584, AI371228, AW263804, AI469681, AI364795, BG058217, AA019646, AW058279, AW079432, AA835966, AI918554, AA804786, AW028196, AI446405, AI571861, AA811406, AA497014, R69938, AW020592, BF904180, AV711541, AI539661, BF971462, AW129929, AV725001, AW022494, AI950664, AW020288, AI912333, AW089275, AI682861, AW117355, AI582912, BF725463, AI689420, F36859, BE764656, AI499104, AW167327, AI571980, AA575874, AV660831, AI416961, AI583423, AI813986, AI627714, AW051107, AI364926, AW104108, AL513593, AW130168, BG180468, AI886355, AW007414, AI624510, BE964323, AW104713, AI921236, BF038804, AI572071, AI560625, AI147725, AI926593, AI915701, AI635926, AI859644, AI804505, BF750927, AI469516, AW190297, BF753023, BE964497, AI565932, AI784214, AI679196, AI688847, AL041230, AW118001, F37364, BE886827, AW192052, BE620289, AW020419, AA088789, N36182, AW193843, AW084151, AI925402, AI868204, AI702301, AI471429, AI680326, BE883591, AA808175,

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HBJAC40	213	841235	1 - 1753	15 - 1767	BF345048, AW958511, BF530417, BF975837, BE253816, BG250686, BE887472, BF527935, BE263703, BE909332, BF527878, BE881895, BF194837, BF972454, AW025541, AL048612, BF525861, AI859062, BF835934, AI199762, BF955165, AI052782, H12219, BF955173, AW015231, BE379375, AI681619, BF364391, AI379848, AI363268, BF740272, AA703554, R60286, BF955168, R52740, BE258881, AA448130, R90880, W46453, BF090044, R25794, R22673, R52690, H08245, H08001, AA447988, AA912056, AI245669, R36729, AI290546, H07130, M78974, BE179040, T77037, AA070715, H08144, R58852, H38448, Z44633, H49103, W46520, R09542, R85342, AI879032, AI590525, R43378, R90851, T31004, R67310, F13258, BE164925, AA364956, F08103, T32340, BE907755, Z40495, C03430, BF884758, R85671, T35911, T30880, F28188, BF115735, AW161049, AW072139, BF820428, R60889, R60792, AA694126, AI086328, BF961135, AI272235, BE258962, AI363035, F04345, R46793, AA095937, BF952087, F10861, H06622, BF841177, BF925698, AA401578, BF820431, BF945162, BF772214, AA095307, R54673, BE677392, AW027215, AI360330, AF072812, T16940, AL035745, R09655, BF945153, BE081049, BE179106, AA382430, W23297, AW162615, AA946598, AI017807, AI220189, AW002147, R85343, H41244, BF527814, AI863690, AA394215, AW961330, AV652536, AV652547, AW963011, AV654689, AW954779, AW958365, AW954506, AV708498, AW957970, AW950179,

					AW963847, AV709494, AV725063, AV706850, AV725970, AF131218, AF195661, AC007606, and AC007606.
HBJAV56	214	603529	1 - 767	15 - 781	AI609972, AA502207, AL041375, AI061313, AI053696, AV764259, AI282629, AW265279, AI040051, AA644090, AW301771, AA572813, AL038842, AW576490, BF868994, AI499954, AI537020, AA947265, BE301584, T50676, AW673221, BG230549, BF724838, AA284247, AI114557, BF991208, AI114733, AI133552, AV721426, AA084766, AI619738, AW833047, BE501593, AA669238, AA225406, AW873261, AV762033, AA578621, AW272294, AW516255, AW962006, AV763026, AV763058, AW772848, AA728937, AA599080, AA862243, AA632593, AL046519, BF991881, AA302978, AC006071, AL356801, AL035683, AC027644, AL133405, AC011479, AC004263, AC004983, AC007899, AL049795, AL391821, AL133382, AC006449, AC011465, AF064861, AC004895, AC007450, AC005071, AL121658, AL031432, AC002544, AC005746, AC008764, AC008551, AL136228, AL163279, AL031276, AC020550, AC005821, AC005829, U78027, AP000509, AL121891, AC003043, AL135927, AC007227, AC005326, AC005520, AL109804, AL035422, Z83844, AC008687, AL035071, AC022516, AL355112, AC008155, AC005412, AL118501, D83402, AL049697, AF001549, AB000877, AL121712, D84394, AC008132, AC002978, AL034420, U52111, AC010328, AC004859, AC002310, AC006088, AL049563, AP000689, AC005912, S42653, AC002350, AC003091, AP000555, AC002565, AL138743, AL158040, AC007664, M87914, AL035454, AC004408, AC006345, AC004851, AC008033, AC005874, AF134471, AL357560, AC005261, AC004913, AC011475, AC008474, AC006046, AL133466, AC005667, AL050318, AL049872, AC008521, AL390209, AL021154, AC002369, U91326, AC004033, AC010271, AP000948, AC016995, AL008583, AL118525, AC005047, AP001725, AP000688, AC011495, AL135749, AC007383, AC007774, AL353596, AC006441, AC006333, AP000506, AC013447, D14872, AL022330, AL353807, AC004655, AL133163, AC005790, AC011489, AL009031, AL135787, AC005736, AL033529, AC002492, AL138741, AF240580, AC002326, AJ251973, AC018758, AL034405, AC004985, AC007597, AP000045, AC002316, AC022392, AC005052, AC009060, AC005516, AC004941, AC000385, AC006251, AB014078, AC006312, AC017006, Z98048, AL022313, AL035405,

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HBJAY14	215	626591	1 - 2101	15 - 2115	BF734110.
HJBQ69	216	560602	1 - 1134	15 - 1148	AW976954, AW183526, AI476426, AW078542, AA649170, AA766581, AA766795, AA811992, AW340278, AA649197, BE064077, AK026036, AL365356, and AL365356.
HBJBR40	217	581104	1 - 1117	15 - 1131	AC021036, AC008044, AC007057, AC002302, AC003687, AC002126, AL353140, AC018719, AL050335, AC006505, AC004167, AL354864, AC006487, AL031681, AC004813, AC007114, AD000812, AC009294, AB003151, AC005399, AC004166, AC022149, AP000014, AC020954, AL023575, AL442166, AL109965, AC005971, AL163284, Z84467, Z93930, AC006449, AL133448, AL133551, AP001729, AC010198, AL135839, AC006271, AL121754, AL136137, AP001678, AC006371, AC011479, AC058791, AC004655, AC005098, AC011490, Z98050, AL049780, AC005740, Z82244, Z83822, AL161731, AF001549, Z84486, AL159980, AC011484, AF207550, AP001714, AP001712, AC012502, AC004491, AC005102, AC004797, AL050307, AL160313, AC004263, AL049749, AL109614, AL096775, AC000353, AL080243, AL049636, AC006345, AC011491, AP001726, AL032821, AC010311, AC004531, AC006966, AC004867, AF064860, AC005747, AC008014, AC006536, AC007637, AC015651, AC020629, AL117380,

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HBJCH46	218	609859	1 - 1103	15 - 1117	
HBJCR17	219	847332	1 - 949	15 - 963	AV757367, BG028512, AW964575, BE885732, AI628602, BF434858, AW451824, BF965238, BE883507, BF377201, AI031539, AA903358, BE857325, AV682520, AW614377, BF589277, BF940304, AW020495, AW957230, BF979809, BF110074, BF577331, AI034009, AI189258, AA460689, AA541800, AW168949, BF447019, AI754579, AI127808, AI418375, AI333874, AI692600, BE163452, AI275148, AA779430, AI608748, AI769143, AI094985, AI631810, AW502943, AI613122, AI799987, AI167426, AI690279, AA961556, AI922793, AW192326, AA884243, AW466920, AA406540, AI056434, BF445340, AI474043, AI554349, AI683228, AI005386, BE551997, AI375147, BE219295, AI023935, AI858307, AA977781, AI014659, AA476600, AI862299, AI373151, H98705, BG026933, AA133556, AA740912, AI445185, AA854666, AA662239, AI219500, AI753034, AA460864, AA825765, AI022572, AA921695, BF449065, AI307163, AA653520, AA084495, H84941, AA633984, AA736977, BE875331, AI942431, N62066, AA547991, AA733193, AA223872, AW470498, AI373517, AW191934, BG254716, AA234147, AV657285, BF447547, BE221862, N90001, BE972678, AA826196, D52785, AA747649, R76670, AW195708, AI914938, T10324, AI766278, BF693955, AA603640, R72724, H00496, R54814, AI336415, AA321072, AA889800, H23411, AA676974, H00451, N67064, BF796159, AA225329, AA234966, R26692, AW002755, BE768914, T06172, AA448680, H87150, AI471026, D61441, AA370613, D56735, N67066, AW572603, D56719, AA665717, D56553, C16271, BE218693, AA768631, D53417, AW811783, C16257, AA768450, AA411734, AI913693, AW235856, R76341, BF572614, AW389559,

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HBJCS26	220	821682	1 - 2870	15 - 2884	BF966834, BF793027, BG254875, BF792413, BG033051, BE742990, AW953255, BF573269, AV705064, AW389937, AW006661, AW389928, AW389939, BF203205, AW368253, BF797299, AW389934, AW389932, BE066037, BE885864, AI523478, BG024650, AW389973, AA480016, AW510693, AI694363, AI860946, AW389940, AW389956, BG114857, BE093653, AW389949, AA731460, AW576904, BE720773, BE158003, AI708228, AW389960, BF511192, AW389957, AW576906, AW389972, BE831012, AW389958, AA133343, N94901, AA313595, AA251096, AI340096, AI024831, AW977254, N52329, AI095766, AW975233, AW389961, AW152266, AI097188, AA557232, AI554112, AA133384, AI199955, AA993919, AW168267, AI040330, AW389938, AA416667, AW945691, AI092219, AA010337, AI333039, AW389954, AW377524, BE677152, AI671027, AA010338, AA442321, T33430, AW873477, AA478969, AW573220, AA085448,

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HBJCW24	221	805962	1 - 1000	15 - 1014	N49717, N80132, AA594157, AW827115, AV756220, BE252421, AV760391, AV760389, AL042694, AV760019, AW021195, BF816035, AL041230, AL042538, AV760560, AW827240, BG105511, BF342223, BF337291, BF853693, AV703956, BF824803, AV704232, AV728304, AV710422, AI064787, AL042731, BF679640, BG114985, AL514939, AL045421, AL042853, AL046262, AA555145, BF868994, AL041208, BF183722, BF878955, AL037683, BF676981, AL046021, AV682244, BG105817, AL046463, BF828567, BF828245, AA653459, AA760655, BE047915, AV681989, AV683513, AV681580, N52358, BF813822, BG115678, BF996894, AV763418, AV759518, BF792421, AV763460,

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HBJDC57	222	603516	1 - 729	15 - 743	BE162541, AW002578, AA029910, AA844343, AA778032, AA769970,

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HBJDR18	223	604907	1 - 1104	15 - 1118	BF677892, AL046409, BF668217, AI963720, AI284640, AV710066, AW303196, AA490183, AW301350, AI334443, AA491284, AW274349, AV761362, AW500125, AA521399, AI270117, AA521323, AW327868, BF915247, AU144849, BF915722, AA581903, AW833862, BF915628, AV740801, AL138455, AV757607, AL046205, AI431303, AA877817, AW265393, AW472872, AL042853, AA468244, BE150580, AV763971, AL038072, AV762395, AL119691, AV761489, AV761745, BG109996, AV762064, AA629992, AV763670, AV759507, AI133102, BE253048, AA680243, AV762098, BF130605, BF347791, BF347740, AI732120, AV762397, AA502104, BG249643, BF697673, AV764307, BE277210, AW088846, AA533036, BF337291, AA587604, BE674881, AW245747, AA610491, AV759204, AW960468, AA507824, AI801482, BE297262, AV733830, AL038705, AI799642, BF541120, AI696962, AV760057, AI345681, AI345675, AW274346, AW193265, AA846876, AA584145, AA468022, AV762111, AA584167, AI457397, AI919265, BE409047, BG059314, AA533333, BG059568, H71429, AV729813, AV757425, AW662543, AI732865, AV759172, AV763449, AI307201, AV763290, AI821714, AV762959, AI792133, AI791913, AV735370, AW419262, AV760937, AA908687, BE049139, AV763540, AW872676, BF241967, AA584195, AW103758, AV729881, BF680074, BF676536, AA514854, AA613227, AI355206, AW872575, AI744826, AA613203, AA526787, AW248847, BE901529, AV729809, AW439558, AV764578, AA719292, AA468131, AL041690, AV725431, AV759274, AV763633, AA480772, BG236628, BF679256, AW956640, AA503473, AI473943, AV761843, BE139146, AV760207, AL042420, AW268300, AW410400, AW973397, AW265385, AI254913, AI270559, AI821785, BE276880, AW976010, AI610920, BE046438, AV764530, BF030591, AV762505, AA126450, AV763847,

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HBJDR83	224	600395	1 - 1471	15 - 1485	AW886349, AW846311, AW846394, AW846409, AW846293, AW846402, AW846410, AW846491, AW846303, AW846493, AW846164, AW846216, AW846168, BE180603, AW846569, BE348777, BE043052, AU121289, AV731928, AW846401, AW846581, AW846298, BF826938, AI370959, AI018133, BE148579, AL022154, AC006383, AC003100, AC010326, AC006998, AL109963, AC016955, AL391358, AL133274, AC012667, AP000168, AP000325, AC004103, AP000054, AP000122, AC000073, AP001720, AL049762, AC009501, AC000085, U72787, AC002465, AL136125, AL031965, AC006477, AL031433, AL021307, AC005605, AC005604, AL353739, AL121865, AL121755, Z49918, AL138743, AL392173, AC004585, AP000457, AC068919, AL136325, AF052041, AP001669, AC007676, AL359846, AC005900, AL133271, AC009308, AL391294, AL034410, AC019046, AC007126, AL121872, AF095725, AC007102, AF223391, AF172277, AL354750,

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HBJEE51	225	737793	1 - 1235	15 - 1249	
HBJEL21	226	866158	1 - 2068	15 - 2082	BE615202, BG169721, BE616913, AW949473, BE274024, BF692414, AA563588, AA287619, BF184982, AA286728, AI263859, AI743361, AU133977, AI696880, AI056295, N26148, BF349639, AU146288, BE208530, AU132431, AV744135, N27696, AI955302, AA192128, AI384073, AI382374, AU120132, AW051393, AI955293, T28245, AW272463, AV736955, AW772534, AW732203, BE811130, AV753966, AA329458, H12745, AI318282, H70710, T81259, AA661593, BE568474, AI467973, AI283452, AI589987, AA552124, AI393951, BF513395, AI077636, BF976295, AW779476, AI283469, AA622568, AU121036, AA613057, BF002616, AI806680, AI092457, AF039019, AJ236885, U80078, X98096, U30381, U96633, L04282, AJ001165, and AC004518.
HBJFH84	227	836997	1 - 2280	15 - 2294	BG168908, BE669599, BE559886, BE671245, AL039242, AW574499, BF035202, AI817157, BE551031, BG058530, AI742018, AW504483, AI685441, BE549639, BE869110, AW500613, AW503295, AW513121, AW167429, AW500336, AV661781, BF446667, AA587395, AI961516, AW575813, BF438087, AW364816, AI765818, AA584374, BE799849, AI651724, AI800997, AW937184, AW575819, AW438897, BE503201, AW503486, AI637483, AI829845, AW009504, AW504274, AW518691, AW272519, BE267561, BF891128, AI279109, AI276513, AW166344, AI143557, AI273342, W56046, AI185723, AI471654, AW501952, AI281077, AA190380, AI310063, AW503285, AA159740, AW004740, AA280638, N73283, AA132689, W86235, AI689171, AI735565, BG036831, AA836560, AW130761, AA522514, AW129199, AW364811, AA625247, AW572342, N91945, AI224939,

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HBJFJ14	228	845228	1 - 1241	15 - 1255	AL536925, AA133348, BF508961, BF342190, BF508959, BE251476, BE252801, BF976655, AW131509, BG113083, AI817212, BE220465, AI912178, BF091627, BF057311, AA442403, AW058247, AI816308, AI888601, AI831434, AU160292, AU160347, AA543041, AI696844, AI983251, AW264031, AI926719, BG113967, BE328136, AA446160, BF941140, AI831083, AA082656, AI497779, AW192538, AA022904, AA022972, AW008439, AU155432, AU146332, AI885239, AU154966, AW148820, AA620433, AW475073, AI954485, T15600, N52244, BF446724, AA129734, AA629905, AW057745, AW262968, R32250, AI202153, AI093314, BG056301, AA629889, AI343894, AW962907, AA679834, AA780635, BE208850, AW469141, AW026233, AI083929, AW518874, AI744465, W68768, AA405340, AI434113, AA534714, AI161141, AI139082, AA483012, BF475496, AW627627, AI563900, AA918652, AI832979, AI146997, W68701, BF725931, W60222, N40357, AA464932, N27541, AW029604, AA668574, AA043312, AI129404, W68665, AI342657, AA865133, AA613441, D54423, AW090297, W77998, AI348299, AA131621, AA100937, AA868711, AI335771, AA405305, AI275837, T16126, AI469139, AA102433, BE938044, N30282, D52220, BE301222, AI208882, AA634412, AI198033, AA122182, AW249448, AI161416, AI623639, BF477410,

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HBJFJ26	229	130696 9	1 - 881	15 - 895	<p>AL526811, AL522907, BE619639, BE798341, BF036910, BE785683, AL528580, AI816714, AW410741, AW675663, AA226255, AA813934, AA906037, AA134768, AI077876, AI354477, AA037624, AA641954, N53061, AA134769, AA424082, AW814771, AW440434, AW074122, AI302550, AI813620, AA424016, AA709434, AI241581, AW074284, AW504945, W93593, AI206461, BE396498, AI004585, AA911289, AI218492, AI612865, AI277607, AI187313, AI350811, N73248, AW275190, BF353710, AA954030, AW276616, AI202853, AW439574, AI265804, AA226533, R02524, AA037625, AI244408, AI241127, BE513950, BE711537, BE300852, AI954356, AW193200, AW410740, AL522908, BG030252, BF038884, R29049, AA873196, AA876151, AA973778, AA872499, AL526841, BF903325, AA010653, AA216115, BE177689, BE898093, AW629350, BF088300, AI434025, BE734483, BE869464, BF335325, BE732878, BE731318, BE877188, C02093, BF755890, BE731332, AW015508, BF756605, AA609581, AW016529, AA760741, AI283813, AI096744, AU156247, N26872, AA057074, N20594, AA580145, AA486563, AA535449, AA917667, AI678948, AA948624,</p>

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HBJFJ83	230	566478	1 - 1194	15 - 1208	BG232026, AW188969, N51227, C14208, AA902291, AV707103, R39551, H29034, AI472059, AW949436, AV655824, AV706278, N36879, AW950039, F10916, AW963117, AA412677, AV706447, AV701983, AV724991, AI525796, AI541218, AW951214, AW950675, AW956166, AL354792, AL354792, AL161911, AL161911, and AL161911.
HBJFJ83	231	852046	1 - 1151	15 - 1165	BG232026, AW188969, N51227, AA902291, R39551, H29034, AI472059, AW949436, N36879, F10916, AA412677, AL354792, AL354792, AL161911, AL161911, and AL161911.
HBJFP47	232	603438	1 - 1007	15 - 1021	AV706453, AV650367, AV705504, AV701596, AV702187, AV706683, AV705343, AV701873, AV701704, AV727541, AV708872, AV709222, AV706104, AV727347, AV703505, AV706290, AV707942, AV702671, AV707589, AV704605, AV703232, AV703388, AV650843, AV707311, AV725321, AV729129, AV647654, AV703761, AV706882, AV707088, AV702339, AV707640, AV708991, AV727355, AV705866, AV645545, AV709273, AV707783, AV702854, AV702354, AV707948, AV728715, AV727459, AV701728, AV702787, AV655067, AV702851, AV726628, AV703417, AV705234, AV707401, AV709356, AV706220, AV705263, AV729473, AV727822, AV651897, AV725031, AV705550, AV706992, AV726754, AV704757, AV702498, AV701858, AV709596, AV726755, AV704981, AV701879, AV703525, AV707528, AV708988, AV687909, AV685688, AV689800, AV692972, AV729076, AV656240, AV728997, AV702954, AV709935, AV701184, AV706223, AV705814, AV727139, AV707268, AV706330, AV703086, AV708610, AV725369, AV652156, AV701183, AV702928, AV701874, AV726480, AV702792, AV706357, AV702637, AV701783, AV706012, AV727103, AV729220, AV705684, AV704059, AV727126, AV706989, AV706889, AV707882, AV702783, AV727469, AV726505, AV704924, AV702071, AV703090, AV707117, AV704954, AV705467, AV705525, AV729388, AV704879, AV709025,

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HBJFR77	233	825789	1 - 1647	15 - 1661	W56149, AI458084, AI685399, N73742, BF383168, BF030315, H48629, AA767931, AV684128, H73495, AV698275, H73264, AW975433, AA157814, AA720538, AA209530, H48817, AI916090, AA506385, AL357141, AL021451, AC013613, AC013613, and AL357074.
HBJFU30	234	637517	1 - 463	15 - 477	AW295889, BF433682, AI127319, AA836117, AI342607, AI377294, BF432733, AW195006, AW612499, AI808746, AI924671, AW105213, AI949733, AI399910, AI760171, AW510358, AA773985, AI147428, AL521498, T03488, AA773278, AL521499, AI240524, AA886841, AI274543, N58908,

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HBJFX41	235	603437	1 - 765	15 - 779	AC002558, AL133255, AC022596, AC004216, AL021368, and AL162724.
HBJHO83	236	610259	1 - 958	15 - 972	AW139587, AW206289, AI418005, BF439266, AA196170, AV721569, AA827263, AI493150, AI539840, AA342835, BF525553, AV723060, AL135079, AA992466, R84740, AA889455, AA018860, AI032948, AI086195, AA335442, AA136660, R96454, AI052553, H05897, AW139788, R96455, AW341838, AI916309, AW339238, BE219764, AW277153, AW611961, AA521073, BF335547, AW513165, AI554132, AI204085, AI144557, AA583226, AA946701, AA777781, AI004047, BG253018, AW604457, AW604440, BF439900, AW578528, AI123630, BF945235, AI269030, AV720037, AW373059, AW373058, BE706100, BG026120, AC007276, AC009276, AC078847, AC020910, AC008760, AC022143, AC008747, AL117337, AF205588, AL050308, Z98950, AC005088, AF030453, AP001748, AP001630, AC007793, AC003682, AL031432, AC005229, AC011449, AC009196, AL031846, AL035461, AK022963, AC022150, AC006987, AC007276, AC007276, AC074010, and AC074010.
HBJHS92	237	663625	1 - 1871	15 - 1885	BF439821, AL022725, AL022725, and AL022725.
HBJHT01	238	587262	1 - 1237	15 - 1251	AW572853, AW852662, AW794904, AW852694, AA494184, BE092308, AW467441, BG000611, BF871414, BF871418, AA715850, AW962959, AI281561, BF899671, AI537814, BF899672, BF970033, BF899670, AW975902, BF847493, AW197990, AC008403, AC002551, AP001692, AL450224, AL022476, AL049762, AC011811, AL137039, AL356020, AC007842, AC007055, AC008569, AC005803, AB020865, AL353574, AL138836, AJ277546, Z93930, AC005484, AC007619, L44140, AL158040, Z95115, AF196779, AC009155, AC005548, AL354696, AC005254, AC007371, AL049780, AC000353, AL022336, AL158830, AC005488, AC007954, AL031664, AC000025, AL121586, AC004859, AL049757, AC007011, AL353812, AL157877, AL021391, Y10196, AF001549, U91323, AL096701, AP000501, AC008745, AC006930, AF053356, AL133174, AL137918, AP001715, AC027319, AL110115, AC010083, AC084239, AC005768, AL121675, AC006014, AC005562, AC002470, AC004223, AC026431, AC002457, AC008873, AL159977, AC002066, AC011497, AL031658, AL023553, AC008567, AL160234, AC005899,

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HBJHT01	239	580026	1 - 1238	15 - 1252	AW572853, AW852662, AW794904, AW852694, AA494184, BE092308, AW467441, BG000611, BF871414, BF871418, AA715850, AW962959, AI281561, BF899671, AI537814, BF899672, BF970033, BF899670, AW975902, BF847493, AW197990, AC008403, AC002551, AP001692, AL450224, AL022476, AB020865, AL049762, AC011811, AL137039, AL356020, AC007842, AL354696, AC005803, AC007055, AC008569, AL353574, AL138836, AJ277546, L44140, Z93930, AC005484, AC007619, AL158040, AC009155, Z95115, AF196779, AC005548, AC005254, AC000353, AC007371, AL049780, AL022336, AF001549, AC005488, AL158830, AC000025, AC007954, AL121586, AL031664, AF053356, AC004859, AL049757, AC007011, AL353812, AC006930, AC026431, AL157877, AL021391, Y10196, U91323, AL096701, AP000501, AL121675, AL133174, AC008626, AC008745, AC005768, AL137918, AP001715, AC027319, AL110115, AC010267, AC010083, AC084239, AC008567, AC006014, AL023553, AC005562, AC002470, AC004223, AC002457, AC008873, AL159977, AC002066, AC011497, AL031658, AF111168, AL160234, AC005052, AC005899, AL031650, AL049611, and AC007308.
HBJHW06	240	724943	1 - 1242	15 - 1256	AV722306, and BF772259.
HBJIR14	241	793391	1 - 2844	15 - 2858	AL531941, BE730712, AI027524, AU141658, AU132222, AL531942, BE563705, BF792946, BG034848, BF346317, AU122062, BG167881, BG108207, BF970602, BF530386, BE908883, BG030291, BF035675, BF971353, AA845421, BE547283, BF306507, BE871639, BF203239, BF528059, BE905493, BE304617, AI149519, BF980660, BE783616, BF035532, BF816131, BG166514, BE542614, AI979044, AI074917, AU153799, BE620051, AW957388, AI936452, N30633, AI095613, AI932392, AI991324, AI138900, N32921, AL529706, AW006025, BE544096, AV724811, AU160300, AA305212, BE884253, BE501620, AA311976, AA838707, AU143167, AV724817, BG230739, AW958522, N21623, AI300943, AI033742, BE622891, BE897732, N54305, N99586, BE907619, AW854921, AI280694, AA445998, BF445345, AA689604, AI215138, AW664139, BE159181, AA652752, BG118683, N28862, AI884708, BF222411, BG006570, AU147751, BE537110, AW517498, AA748911, N27205, AW166829, AI342117, AA742994, AA843379, AA029157, AA257972, AI144478, AA446274, AA813285,

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HBJJA26	242	743181	1 - 1349	15 - 1363	<p>AL445188, AC006129, AL049545, AC010876, AL136321, AC007068, AC005304, AP001065, AP001754, AL133402, AL034371, AC068139, AC021058, S65562, and AC074361.</p>
HBJJX02	243	612069	1 - 710	15 - 724	<p>AI823688, AI311883, BF915002, AL042756, AC010412, AF002223, AL121949, AC021876, AL121897, AL117336, AC009756, AC007263, AC005411, AF317635, AC064878, AL031281, AC005378,</p>

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HBJLH78	244	839735	1 - 1085	15 - 1099	AV727190, AV727488, and AC027410.
HBJND04	245	837242	1 - 1689	15 - 1703	BF979796, AW000891, AI631971, AI565810, BF966934, BE897560, BG024901, AV706770, BF792032, BF966164, BE893740, BE744308, AW025213, BE880979, BF057175, BF979265, AI640553, BE293933, AW967089, AI631793, AW150347, BE223003, AI964068, AI889621, AI202187, AW300134, AI420725, AI631750, AI859413, AI421550, AI492458, AI830656, BF036595, AI824077, AA151649, AI674988, AA449304, AW769971, AA478767, AW613741, AI631123, BG026364, AI766069, BE313464, AI051366, AA526157, AA421840, AI149797, BF665262, AW444608, BF739849, BF115043, AW067801, AA640299, N70512, AW580307, AA644080, BF589881, BF059027, W16856, AA151730, W05526, AI339649, AI376380, BE463403, AW239546, R69093, AA449561, AA317639, AI337196, AI361086, AI825269, AI473395, AV659828, R54574, AI473262, AV659032, AA295499, AW079869, AA643644, H03631, T78111, Z44810, AW067870, R13710, AI796453, AI825749, R37847, AA369963, AI262640, AI522180, AW768552, AI767203, AA558703, AI016170, AI538140, AI273120, AW242952, BE092737, H10508, AA094226, AI799347, D79797, AA995841, AA935184, AA393994, BE092770, AW376232, AW376238, BF664614, AI762347, AA478886, AX042212, and AX042214.
HBJND57	246	612785	1 - 1106	15 - 1120	AW504975, AW504900, AI674174, AI583283, AI932493, AV739452, AI133297, AV763354, AW275510, AA493695, AA467750, AI345157, BF347791, BF347740, AW857802, AI687343, BE378770, BE253048, AI311927, AV710066, AV762098, AA467932, AI284640, BF677892, AV760777, AA580808, AV764578, AV760937, BG249643, AV745092, AW827120, AW193265, AI270117, AW168618, AV764307, AW020340, AW270343, AA634889, AW438643, AL046205, AI471887, AV703942, AW302903, AV734666, AV762139, BF337291, AA584167, AW235497, AA502860, AI872020, AW274349, AW303002, AL037040, BE782280, AW827130, AW872676, AV760774, AI754658, AW503398, AA531079, R43310, BF681649, AI358571, AA469451, AI933534, AI350211, AA828749, BF902055, BF681576, AV764241, AL046409,

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HBKDF66	247	827276	1 - 1818	15 - 1832	AW292121, AI497769, BF062341, BE894885, AC011480, Z99716, AC005060, AL049840, AC021999, AL445687, AC020754, AL031293, U91323, AC010271, AC006274, AL035400, AC013434, AC002365, AL035555, AL009172, AP001716, AP001728, AC010789, AC020917, AL118558, and AL118558.
HBKEA94	248	827277	1 - 1233	15 - 1247	BF576085, BF672897, F20277, AA256405, AI637712, N78730, AW964111, BF003114, AI276572, W16640, AA256299, F29046, F27684, F22521, F28192, AW080841, F26318, F36126, F32672, F26743, F31838, F25673, F35782, F21361, AI810671, AL044965, F29323, F27117, AA346132, F34952, F16774, AA346131, F30379, F29634, AI696233, AA725010, F24054, F26524, AW183104, F35440, F35136, F35527, F36117, AA919007, F26598, F26254, BF511833, F34318, BF693563, AI419440, AI688848, BF915316, AW161579, AI540674, BF827575, AW084097, AI537677, AI915295, BE788683, AW074459, BG254754, AI539260, AW058233, AA693331, AW268261, AW078729, AW129592, AI401697, BF854388, AI241901, AI860027, AI537643, AI744181, AV712722, BG032036, BE621472, BF814412, BE843239, AI696611, AL038605, AI918634, AL037043, AA848053, AI469516, AL036954, AA575874, BE877142, AV728855, BG029829, AA806719, BG112718, BF904180, AI446373, AA088789, AV746791, AI473451, AV736808, AW082532, AI718513, BF698359, BF812960, BE892572, BE905211, BF925370, AL120853, AI524654, AI081740, AV681885, BF572734, BE964506, AA464646, BF968533, BG163353, AW082623, AI589004, AV756703, AI678446, AW410302, AI582966, AV654624, AA070889, AW827289, AW007939, AI345415, BE966729, BG261310, AV684075, AI623941, BF797585, BF699668, AI345253, AI559863, BF796447, AI580208, AI345677, AI356139, AA807088, BG113299, AW163834, AL041331, AW105460, AW858254, AI310606, AI858827, AI249877, AI249946, AI926790, AI581139, AW059828, N63128, AA748343, AI611816, AI261589, AI349933, AI799540, AI273085, AA555145, BF032868, AI471909, BE910384, AI560833, AI679312, AI569367, AW079159, AW083168, AA761557, AL048323, AI589428, AL036652, AL046463, AI584159, AL048340, AI683559, BF911528, AI423198, AI635813, AI702433, AI539800, AW148478, AI538878, AI280607, AI687568, AA587590,

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HBKEE60	249	793788	1 - 607	15 - 621	AW265529, AW265538, AL137220, AL031785, AL133409, AC008166, AC009244, AL008713, AC008069, AC009541, AC083869, AL031054, AF130343, AL450305, AC010084, AL121959, AL135920, AL049743, AC006997, AC006840, AC020630, and AC016491.
HBKEI41	250	827278	1 - 852	15 - 866	BE298619, AI742370, AI951803, AI094102, F21858, AI091054, AI374599, F36653, AA993801, F34314, F26878, AI239603, F19543, AI039195, AI425024, AA182915, F32505, BF671086, F25446, AA970455, AA644519, F26950, T11964, AA181506, BE964512, BE963918, BE964767, AI890806, BE965432, BE891834, BE895765, BE965067, AI623736, AI440238, BF526561, AI858865, AI609593, BG168185, AI823670, AI538885, BE965355, AI589267, AV733105, BF814409, BE965724, AI251830, BF343174, BE613727, AI264741, BF904180, AI611348, AA568405, AI469516, AW083489, AW082600, AW183621, AW192375, BG255465, AW078767, AI560679, BE965121, BF038804, BE965481, AW079432, AI922365, BF798503, AW085667, AI445620, AI536574, BF814360, AI886022, BE964281, BE965281, BF814357, AI918408, AW411043, AI918554, AI423326, AI680467, BG107576, BE621256, BF921092, AA579232, AI421087, AW193134, BE731275, BE964962, AW084194, BE965186, BE875407, AV682067, AI872159, AI866887, AW795428, BF817926, BF910810, AI619781, AI866002, BF911528, BF910849, BE904051, AW583117, AI682968, AW021373, AL040459, AI312428, AI266558, AI493032, BE964986, AI918634, BE048004, AW935969, AL119836, AI624668, AI340519,

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HBMBD51	251	842176	1 - 3043	15 - 3057	<p>Z78314, BE263879, BE266907, BF868805, AU140848, AA287173, AW504179, AW503223, BF849942, BF869668, T81745, BE843450, AW409026, BE744403, BF850653, AA065323, BE741896, BE778075, BF155291, AW409956, AU126061, AU128885, AV753500, BF979765, AL528463, BE544570, BE798211, AA065249, R98242, AI570791, AL514395, AI904953, AW376113, AA300819, BF689587, AU142300, BE795750, AA361962, BG113906, BF317486, BE886342, AI417052, T61453, AW502847, BF971887, AI656450, AI962266, AA065271, AW959158, BE389514, BE277293, AW503332, AW178929, BE277043, AW390410, AU138524, AA143080, AI678308, N89616, BF308243, AA224211, BF205035,</p>

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HBMBD73	252	839564	1 - 5265	15 - 5279	<p>AU130064, AU122495, BF342606, AU143201, BE789084, BG036578, AW381964, AW381972, BE907460, BG113427, BE738528, BE778824, AW381992, BF792264, AW381988, BE882254, AW579717, BE785641, AU135407, AI953700, BF239213, AW381963, AW393939, AW381975, BF349981, AA129773, AW579711, AW381982, AW381985, BF036502, BF940174, BE147911, BE883012, AI065026, AV652097, AW393941, AW381967, BF508591, AW579716, BF969914, AU137100, AW969104, AW393940, AW182944, AW362021, AW379020, BF969555, AW381989, AW390789, BG251235, AW390811, BF381645, AW378656, BG180227, BF970259, BF692396, AW379002, AA195999, AW578882, BF349980, AV705328, AI346928, BE882378, AI963488, AW166930, AI911264, AW182486, BE883254, AW370698, BE548265, BF349954, AI703111, BE148055, AW452785, AI654136, AA102563,</p>

					AW381981, AA115147, AL042341, BG119297, BF478193, W80986, BE550510, BF836386, AW362056, BE222144, BF890938, AW298105, AW501570, BF216676, AV686595, AI391661, BF830663, AI608850, AW957259, AW500174, AW360843, AI245957, AI734964, BE564158, BF349965, BE222067, AU148061, AI421522, AA196114, BE737777, BF224139, AU152099, BF830711, BF434653, AW379027, BE138828, N34261, AW499629, AA425410, AA426433, AW390792, BG113126, AW378702, AW390773, BG231668, BF439911, AL134905, AW004892, AI984632, AW072805, AI478570, BF836378, AA235927, BF830665, AW500181, BF834089, BF059606, AI686365, AI810372, AW192576, BE466784, BF573028, BF059167, AA780346, AA868899, AI651864, BG223469, AW753568, AI221567, BF834094, N22763, AA946999, AA844716, AW271813, AI033078, AI766225, AI525639, W44318, AI242552, N78159, BE002854, BG054502, BF446352, AI400828, AL120809, BE538229, AI830276, W81089, BF961740, BF836427, BF830664, AA131946, W39045, AW269985, BF362043, BF830590, AI094991, BF090126, AW770462, AI359742, AW236409, AA133269, BF835759, AA725200, AI590844, BF834082, AI633922, AW969718, AA683077, AW337890, N20840, AI377014, AL119515, AI085910, BF086955, BF959103, AA355117, AW514271, AI568775, AI817350, AW753068, AA402005, AW235274, BE868799, AI374665, AA564326, AI825192, AU156025, AW405625, BE465188, N20385, BF893225, BE566725, AA132343, AI637478, N91405, AI760482, BF475497, BE769263, N69377, AI453243, BE315316, N27677, H99571, AI565558, AI635544, AI206302, AI963479, BF748000, BE939142, AA393052, AA425306, AA565292, AI249796, AA744733, AW087662, BE464376, AW370457, BF834128, AW237149, AI687119, AI673751, AA152467, AA719952, AP000555, Z11695, Z11694, M84489, AP000554, AR016532, Z14089, D10939, X58712, A84425, A84443, AL157438, AP000553, A74400, D87266, D87265, A74458, D87270, D87267, D87269, D87264, T65113, T65180, T71282, T71418, T74981, T91016, T84310, R01270, R01306, R01384, R13100, R17311, R19611, R21327, R40532, R41990, R42994, R43577, R46373, R47932, R48040, R41990, R42994, R43577, R46373, R40532, R59518, R69809, R69810, H09163, H09220, H25095, H38727, R84860, R85791, R91210, H50696, H50792, H71995, H85140, H89923, H91968, H99468, N20571, N24215, N25448, N25660, N28960, N39514, N57186, N62860, N73710, N77766, N78557,
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HBMBE33	253	493916	1 - 917	15 - 931	AA845560, BF791539, AV732393, AW951281, AW071825, and AF217991.
HBMBM17	254	637518	1 - 1148	15 - 1162	AI890324, AV756491, AA524229, AA760655, AL042753, AV706945, BF725761, AW084445, AW237905, AW068596, AV762633, AI613389, AV760391, BF902572, BE252421, AV760389, AA916430, AV759149, AA488689, AI358333, AW963474, BE062159, AV759518, AI419337, BF868994, H07953, AV760560, AA502991, BE882869, AI251034, AI291439, AW855643, AI537995, AI130709, AV760466, BF915535, AI300054, AI814682, AW303098, AA489240, BE139139, AW301771, AI284092, BF337291, AW851816, AI361090, BE043997, AI362442, BF342223, AW148775, AI962030, AA411849, AC006285, AL021393, AL133289, AC023880, AL450226, AL391839, AC002369, AL031767, Z82206, AP000547, AL450224, Z99755, AL137039, AC005089, AL354720, AC005399, AC008267, AL121574, AC004824, AC007465, AC005052, AL162724, AC004815, AC006322, AP000065, AC005225, AC011495, AC006539, AL109930, AP001688, AL356376, U91318, AC002549, AC025593, AC011497, AF038458, Z95331, Z82201, AC024561, AC002472, AC004966, AL020997, AC006994, AL137139, AC007383, AC004106, AC007597, AL021918, AC068799, Z84466, AF109907, AC010422, AC008699, Z73359, AC007993, AC004000, AC011442, AL137802, AF053356, AP001714, AL109935, AC005529, AC005476, U52111, AL122013, AC016025, AC025588, AC000025, AC005295, AC007263, AC004893, AC006028, AL137060, AC000086, AC005411, U89335, AC004552, AL109984, AL109753, AC083866, AC004491, AL499629, AC027644, AC004167, AC007406, AC002350, AF051976, AF196779, AP000344, D88270, AC005011, AC006449, AC005363.

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HBMCL59	255	608668	1 - 793	15 - 807	AI554296, AI220618, AL045943, AI016828, AC073898, AC011484, AC004134, AC021458, AC021458, AC021458, AP002455, AP002455, and AP002455.
HBMCM96	256	821318	1 - 2270	15 - 2284	AL042626, BG013983, BG029528, AW408756, T06598, W96522, AA315361, AI348780, BE315483, BF870708, U91318, AL096791, AC068799, AP001724, AL137139, AL365367, AB017653, AL163209, AC007963, AL162615, AC005846, AC005234, AP001715, AC010203, AC018639, AL163301, AF196969, AC007620, AL050335, AL035695, AC005972, AL355499, AC005701, AC002045, AC007739, AP000493, AC007690, AC008155, Z83826, AC018797, AC011455, AP000688, AC005244, AC006576, AP000107, AL022163, AL138828, AL121578, AL031311, AC006536, AC005078, AC006111, AC002543, AL035420, Z97054, AC005304, AF224669, AJ006997, AC004817, AC002527, AP000044,

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HBMCQ74	257	856461	1 - 4029	15 - 4043	BE748853, BE739497, AV717079, AW966911, BG031304, BF970551, BG257314, BG260738, BF035418, AW967532, BG170769, AV725834, BE882544, BG114010, AW967997, AV725306, AW961735, BE889840, BF917737, BG169707, AV707782, BG249444, BG165273, BF671676, BE888888, BG036845, BF245437, BE748262, AW193689, BG256230, AV658432, AW963689, AI890564, BF575329, AV703114, BF512200, BE885637, AV725214, BF574322, BG169220, BF207749, AW022949, BE567009, BG248901, AV725506, BF701206, BF790641, BF694123, BG169109, BG169797, N31913, BF382782, AW364771, AI768379, AW188047, BF575422, BE566229, AA058763, BE870264, BE894717, AI127301, BG178051, BF132983, BG253653, AW959283, AW058616, AA044759, W61027, AV715014, AA534631, AI446741, BF673008, BF940136, AV755669, AW009567, AI700955, AW474442, AA131516, BE739232, AW298345, AI675443, AI089245, AW235538, AW842648, BF790715, N24245, AI087348, BF215091, N20943, BF208572, BF109734, AW298784, N24739, BF029055, AW152450, AI088458, AA009580, AA946818, AI373559, AI708128, AA405782, AI335731, AI494155, AI284451, AA551214, AW501069, AI373932, AW079066, AI095814, AA024880, AW474110, BE568176, AI735417, N27812, AI680232, BF693989, AA043706, W19517, AA912150, AW503575, AI335719, AI863012, BE350574, AA975391, H97905, AW192691, AW131326, AW511021, BF239123, AI474108, BF132643, BF476664, AA121932, BE221248, AI978647, AI038337, AA829529, AI219954, AI444995, N90798, BF445250, AI494091, BF665239, AI953541, AI049953, AI831608, AI374656, AA969206, AI668792, AA043707, AI625592, AI589388, AI269869, R71361, W42585, AW337966, AW080027, N20065, AA564419, AA236045, AW090269, AI800738, BF575019, AW661836, AW058462, AA056622, AA027016, BF477608, AI049664, AA405717, AI817472, AI032596, BE865810, AA602636, AA830195, AA057198, AA913043, AA806013, D82668, AW469000, AI813272, AA181911, AA825687, BG169178, BF241808, AA045660, AA806407, BF671972, AI214550, AV727254, AW338399, AA804875, AA262821, BF809809, AA009581, AI636741, AW874100, AI082671, AI985666, BE184401, R71441, AI208195,

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HBMQC74	258	864382	1 - 4030	15 - 4044	BE748853, BE739497, AV717079, AW966911, BG031304, BF970551, BG257314, BG260738, BF035418, BG170769, AV725834, BE882544, AW967532, AW967997, AV725306, AW961735, BG114010, BE889840, BF917737, BG169707, AV707782, BG165273, BF671676, BE888888, BG249444, BG036845, BF245437, BE748262, BG256230, AV658432, AW963689, AI890564, AW193689, BF575329, AV703114, BF512200, BE885637, AV725214, BF574322, BG169220, BF207749, AW022949, BE567009, BG248901, AV725506, BF701206, BF790641, BF694123, BG169109, BG169797, N31913, BF382782, AW364771, AI768379, BF575422, BE566229, AA058763, BE894717, AW188047, AI127301, BG178051, BF132983, BE870264, BG253653, AW959283, AW058616, AA044759, W61027, AV715014, AI446741, BF673008, AV755669, AA131516, BE739232, AA534631, AW298345, AI089245, BF940136, AW009567, AW842648, BF790715, AI700955, AW474442, N24245, BF215091, BF208572, AI675443, AW298784, AW235538, BF029055, AW152450, AA009580, AI373559, AA405782, AI494155, N20943, AI284451, AI087348, AW501069, AI373932, AW079066, AI095814, BF109734, N24739, AA024880, AI088458, BE568176, N27812, AI680232, AA946818, AI708128, AI335731, BF693989, AW474110, W19517, AA551214, AA912150, AW503575, AI335719, AA043706, AI735417, AW511021, R71361, BF239123, AI474108, BF132643, AA121932, AA829529, AI863012, H97905, AI219954, BE350574, N90798, AA975391, BF665239, AW192691, AW131326, AA969206,

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HBMCT40	259	824053	1 - 697	15 - 711	AV656238, AI138612, AI084786, AI122281, AI857642, BE856746, AA576976, BE300994, AI814439, AW007758, AA614328, AA398266, AA705821, AW029132, AI222818, AI935132, BF037337, AW070541, AU148132, AI624257, AI582213, AI131062, AI694240, AW517068, N29984, AI820033, BF966056, AI360344, AI688349, AI435143, AI394500, BF795416, BF111964, AI860428, AI160318, AI582376, AI950515, BG236028, AW194430, AW264570, AI879588, AA643227, AI813910, AI754189, AI869669, AI500411, AW194445, AI952259, AW008344, AI351136, BF690320, AI497687, AA991796, BF438467, AI299383, N32745, AA434392, AI948642, AA477509, AA565934, AA428653, AI057169, R69038, AA878173, BE675270, AW780293, AA765797, AI016933, AW591234, T33461, R44093, AI690569, F24523, H94259, AA731192, H07102, AI868018, W80788, AI018508, AA758326, D12098, BE795735, AA804972,

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HBMDM08	260	837927	1 - 1099	15 - 1113	BE259531, BE903903, AV757184, BG141370, BF035245, BF975496, BE378404, AW157052, BE384205, BF670417, BE303033, BF038328, BE298023, BE302913, BF974533, BE783627, AW163018, BF026965, AV702382, AA987525, BF724795, N25803, BF211212, AA604887, AW958209, AI880532, AI601259, AI089984, AW957998, AA180806, BF185776, AA180963, AI815801, AA180860, BF939797, AA398674, AA864714, AI031642, AA278906, AV702862, AW583452, AA658952, AV707212, AA863377, AA633493, AI141506, AI126545, AA393320, AV748966, AA640281, AW583818, AA437198, AI022529, AA402724, AI200534, BE394751, AA846171, AW043945, AI032115, BE772759, AA757604, AA426386, N34190, N40925, T67791, AA040182, AI041768, AI082174, BE972562, AV758984, AI362125, AI741371, AA132547, AA446575, AI815498, BF916626, AW080847, BF792743, AA481007, BF968016, BE718780, AA040183, AW351842, AA148895, AA446702, N52848, BE327989, AI887556, AW351841, AI925487, AI309035, N46781, H39613, AV708248, AA468658, AA927545, AI222894, AV653963, AV764520, AI927388, AV741033, AI351169, AA512888, AA374237, AA171748,

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HBMSN62	261	787680	1 - 968	15 - 982	AW303421, AI744726, BG058609, BF674057, AI683213, AW293832, AI343356, AW008522, AI417082, AI085617, AW237393, AW879355, BE221453, AA650605, AI310740, AW075895, AA769704, AA983766, BE180113, AW071527, AW052012, AI708107, AI149598, W68262, W68261, AA889327, AA974986, AA402605, AI640639, BF431572, AA765574, AI522218, AW514666, AI352181, AI916010, BF512347, AA825838, AA974778, R33117, AA279931, AW957121, T03320, R63547, AI587243, R32932, AI784648, AW452303, AW166597, R33268, T94426, AI784290, C20564, BF590029, R32829, AA748754, R63502, D45619, AW058637, R42783, AI824252, T90550, BE843678, BE180426, AL513865, AC006445, AK025361, AL137652, AB037748, AC006445, and AC006445.
HBMSO30	262	843389	1 - 764	15 - 778	AV702427, AV725927, AV727932,

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HBMUI10	265	566764	1 - 808	15 - 822	AV721682, AW474332, AW474342, BF790073, BE161728, AW028637, AW994240, BF693956, BF887392, AW379707, AW753711, AW578737, R16550, AW362429, AW753702, BF791106, R39478, AA431947, AW362456, AW362423, BF090028, W52712, BF525972, BG164876, AW578745, AW381918, AW381624, BF034675, BE827256, AI682841, AA443174, AI679916, AW386103, BG260037, BE538997, AI623396, BF752252, BG032919, AI567360, AI499381, BG110684, BE965432, AW087445, AI537677, BE965121, AI500146, BF882343, AI610756, BG036846, BG110517, AI538716, AI439762, AW088134, BF344652, AI560099, BF904180, BG257535, BG254981, BF814504, AA640779, AI446373, AI868831, AI340603, BG259801, AI497733, AW162071, BG058398, AI567351, AI281779, BF724691, BE965481, AV703585, BG112879, BF812933, AI702406, BE048071, AI287326, AI538085, BF925729, AA508692, AW238764,

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HBMUJ48	266	580808	1 - 499	15 - 513	AC060812, and AC018803.
HBMUR39	267	647594	1 - 874	15 - 888	H68504, AC008745, AL109804, AC020904, AC005015, AL135927, AC007227, AL022163, AC009060, AL138807, AL031670, AC008403, AC008753, AC007597, AP000553, AF225899, AL109743, U47924,

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HBMVF65	268	609348	1 - 1050	15 - 1064	AA581409, AW972347, AI086335, AW903747, AA608689, AW903751, AI863767, AI038731, AI863777, AA879017, AA523051, AI791303, AI821263, AL163279, Z56575, AF129408, AF129408, AF129408, AC019326, and AC019326.
HBMVF65	269	847789	1 - 1268	15 - 1282	AA608689, AA581409, AW972347, AI086335, AW903747, AI038731, AW903751, AI863767, AI863777, AA879017, AA523051, AI791303, AI821263, AW797332, AL163279, Z56575, AF129408, AF129408, and AF129408.
HBMWC39	270	523713	1 - 1140	15 - 1154	AL118991, BF681619, AV762982, AI040051, BE019467, AI284640, BE294700, BE139267, AA669840, AW963565, AW328202, AW407578, BF915247, AV759557, AI457397, AI623764, AW971243, BF678990, AW021917, AV762741, AV758790, AI334443, AW979096, BF915722, BG059314, AV682003, AV761714, AL046409, AV762979, AV735495, AV761862, AW970877, AW327624, AI821714, AI792133, AI791913, AA653139, AU145055, AA829065, AW438542, AA297145, AA631507, AI205181, AW191886, AW419262, AV764307, BF725318, AI821785, F36273, BG169377, AI090334, AV758903, AI963720, BF915628, AW193265, AI431303, AV762033, AI305766, BF984807, AA708678, AI306028, AV764340, AW969743, AV726332, AI244356, AL041706, AI350211, BF941382, BF149121, AA613203, AW275719, AI754253, AV764259, AA483606, BG249643, BF925233, AA502991, AV760937, AL079645, AI270476, AI561060, AU131834, AI753488, AA570740, AV761810, AI745325, AU144320, AW103030, AI613280, AL359076, AL158040, AL035422, AL357752, AL022476, AC006487, AC002073, AC007969, AL024498, AC002553, AC002563, AC004859, Z85987, AC000026, AC002059, AC005324, AC018738, AC007271, AC005874, AF134471, AC007671, AJ277557, U78027, AL136418, Z83840, AC005037, AC024563, AC008560, AC004797, AC027319, AL133163, AL079335, AC005726, AL445483, AL136124, AF196779, AC011462, AC005038, AC002464, AC015971, AF067844, AC005399, AL033383, AL133246, AC006071, D87675, AL034553, AL031005, AC004832, AL080243, AC005899, AL356020, Z97985, AC009756, AL138836, AL096800, AL050335, AC008083, AC004648, AC005940, AL136179, AL162580, AL050317, AF015148, AC008753, AC004526, AL078581, AC006006,

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HBMWJ92	271	701971	1 - 1796	15 - 1810	AA079274, AA079292, BG057574, BG152940, AC009518, AC008085, AL163249, AL158033, AL442166, AL163284, AC005014, AP000170, AP001720, AC005736, AC008806, AP001697, AC006348, AC005482, AL355537, AL080239, AP000330, AL035666, AP001598, AP000124, AL357120,

					AL357120, AC019084, and AC019084.
HBMWSS2	272	872553	1 - 1331	15 - 1345	AA515728, AV762633, AL079734, AW958962, AI754170, AI284543, BE139139, AI250552, AA602906, AW275432, AI251284, AI251034, AI251203, AI962030, AA503298, AI254770, AW274350, AV763457, AI223626, AW069412, AL038842, BF854308, T11828, AW151541, AI279417, AV759632, AI635440, AV763026, AV763058, AI801505, BE138387, AW575605, AI521525, AA584489, AW865946, BF725844, AW851405, AI469599, BG059972, AI345827, BE063437, AW268757, AW268954, BF725884, AI349817, AI040051, AA644090, AA630854, AI754653, AA508036, AI923451, BE143603, BF681619, AI635028, AU118374, AW272294, AA225406, AL135377, AI755214, AI537020, AV703785, AW500684, AL524675, AI891080, AI754567, AA916430, AA714011, AW972919, AI625604, AA527602, BF212465, BE062478, AW408767, AW500029, BG236628, BF771774, AW023111, AW591754, BE150796, BF978936, AI589230, AV742175, AI754105, AV757289, AI282479, AA659333, AW576251, AW816516, BF965775, AW265393, AI499954, AA833875, AA833896, AI085242, BF184128, BF726693, BF944736, AV758790, AI133514, AI926102, AI249853, AI254779, AW873261, AV763550, AI654738, AW970064, AA568314, AI732151, AA652834, BF724372, BE062476, AI923458, BE883977, AW157731, AI708009, BF817546, AV704467, BE250197, AW190484, AI754066, AA169245, AI753672, AL121385, T06598, AA713705, AA536040, AV706448, AC008925, AF095901, AL022329, AL133480, AC005057, AC008897, U62293, AL138713, AC005236, AC005940, AC005215, AC007030, AC004526, AC005043, AC004033, AC008543, AC005011, AC011445, AC005037, AC006312, AC005094, AL022324, AC005763, AL121675, AC004383, AC004659, AC006141, AC009244, AC004883, AL109804, AL033528, AL050349, AP001714, AL136303, AL035417, AP000032, AC003014, AL359694, AC011742, AC005080, AC005410, AP001631, AC006581, AL031943, AL445687, AC010582, AC008752, AL117350, AC007383, AL049539, AL022316, AC009228, AC024075, AL035427, AC008015, AC005098, AC007956, AL050335, AC002470, AP001748, AL132639, AP001715, AP000103, AF075098, AL022476, AC004027, AL109824, AC008569, AC005030, AL049697, AC006252, AL117186, AC005200, AP001746, AC005291, AC006088, Z83847, AC027319, AC004020, AP000269, AC011497, AC011450, AP001711, AC005736, AP001725, AC010489,

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HBMXE34	273	834497	1 - 1817	15 - 1831	AL527280, BE179268, BF034686, BF002287, BE536486, AA218919, BG261364, BE612994, AU157519, AA811413, AI089945, BE858632, AU158525, AA393861, AI828461, AA393827, AA731882, BF666030, AI888229, AI811471, BF431222, BF215883, AA631810, AI346548, BE537488, AI091301, AA290859, AW957240, BF725094, W26029, AI769614, W03038, AI337441, AW973653, AW264798, AA397927, N24806, BF880308, BF478027, H98108, AI560121, AI143915, W26949, BG114099, AI346151, AU138215, BE815321, BE709840, C17037, AA879124, AI340131, AI695190, AI538208, AW188745, AI668931,

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HBMXG01	274	689522	1 - 1125	15 - 1139	AW500029, AI358384, AV759632, AW327624, AU152561, AW575605, AW020088, AW190505, AA631497, AA634837, AA228349, AL037910, AI590485, AW975095, BE160591, AA572813, AA704393, AI669589, AV760918, AW972963, BF944940, AA669647, AW574976, AC005746, AP000065, AC008745, AL132713, AC018514, AL353748, AL022721, AC012005, AP001745, AC004491, AC068799, AC007030, AC008569, AL109758, AC005529, AL445263, AC004186, AC027319, AC016025, AB023054, AL034420, AC002430, Z84469, AC007384, AP000517, AP000501, AL031655, AC008403, AP001705, U52111, AC005913, AC005971, AL031685, AC005037, AL139087, AC005179, AL121653, AL035420, AL136137, AC008753, AC009953, AC004686, AL136300, AP001727, AF134726, AC008474, AL139123, AC004835, AC020916, Z93017, AC006483, AC005069, AL353804, AF190464, AC005726, AC004840, AL022397, AL049757, AC083863, AC005070, Z85986, AP001725, AC007114, AF111168, AC006064, AC006449, AF205588, AL034429, AL034417, AL121881, AL353140, AC008738, AF243527, AL050335, AC005211, AC025593, AL162505, AL050318, AC005391, AC006057, AC002301, AC020906, AL049539, AL133355, AL355385, AC004408, AL035461, AC008720, AL049829, AC007097, AL353653, AC015973, AC005668, AC009263, AC005841, AC004962, AC011455, AL109798, AL133551, AL079295, AC004520, AC004039, AL121754, Z99495, AC008543, AL355365, AL136295, AP000552, AC002546, AC005355, AC007314, AC005255, AC009803, AC011895, AC007842, AL139095, AC002119, AC006345, AF215937, AC004859, AC002350, AC006285, AL132777, AL354816, AP001626, AC004032, AP001630, AJ011930, AC005224, AL031289, AL163300, AC019014, AC010422, AL117382, AC000052, AL024507, AC005207, AL023575, AC005049, AC005722, AL157938, AL133448, AL133244,

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HBMXG76	275	580812	1 - 604	15 - 618	AW469166, AI568694, AA486949, AL133623, X91617, D88026, AC023508, and AC023508.
HBMXM05	276	842283	1 - 1107	15 - 1121	AI051244, BE080507, T77860, T85718, T90815, T77360, T77055, T86993, AA759263, AU129822, AU129210, BE382611, AU132952, AU143680, AU125010, BE797845, BF311661, BE263248, BF314598, AW239318, AL523230, BE382817, BF542104, BE088607, BG164869, BF672510, AF064478, AB015355, AF046997, AF064484, AB004857, AF153280, AF153279, L37347, AC023648, and AC023648.
HBMXW83	277	725335	1 - 1219	15 - 1233	BF439044, AI861923, AI760976, AW172961, AW380987, AA989375, AI832889, AI754682, AI591154, AI955740, BF061355, AI360595, AA912755, AI075414, AA723957, AI453765, AL048509, AI800503, BF679519, AV690773, AI417890, AA740523, AV687370, AI073631, AA701615, AI690073, AI014488, BF027894, BF149272, AA828026, AI538813, T29227, AA677808, BE564932, AL121379, H93053, BF110314, AA418788, BF214938, AW792901, AI865369, AW792803, AV659812, BE896240, BF858900, BE000013, BE564874, BE149797, BF839648, BE568241, AW379771, AA010005, AV658482, BG107452, AL033397, M90656, U85498, J05181, AR005022, and U85414.
HBNAE74	278	637524	1 - 412	15 - 426	AA700850, AI652493, AA195061, AI829078, AA401470, N98317, BF928398, N70140, AL049795, AL049795, AL049795, AC022307, AC022307, AL121991, and AL121991.
HBNA16	279	843727	1 - 3230	15 - 3244	AL523259, AU125719, AL523258, BE795590, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BF664322, BE907570, AU131690, BF311863, BF309140, BE262674, BE798174, BE296057, BF683515, BG032478, BF311452,

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HBNAZ35	280	840687	1 - 880	15 - 894	BF508836, BF436866, AI240553, AI658964, AW298386, AW070989, AI969920, AA570545, BE205930, AA884223, AA555330, AW964492, AA319434, AA176296, BE815349, AC009555, AC009555, AC012300, AC012300, and AC010538.
HBODK40	281	852382	1 - 1764	15 - 1778	AL520924, AU118752, AL524864, AW957754, N58127, BF087903, AI970999, BE207510, AA805508, AA543049, AI224173, AA481100, AW086144, AW970499, N52797, AU145242, N49240, AW439223, H22748, AA480173, H18549, W87476, AA481045, AI702077, AI208249, AA968423, AA676568, AW957756, AI339421, BF841324, BE350713, AA551673, H61729, AA354107, H90630, H18441, H90534, BE747814, AA203228, Z41571, BE825526, AA948533, AI990383, AL524865, H24029, BF082936, AW945283, H61939, AW945334, BF082937, AL134264, BE242723, AL526441, AW075792, AW873749, BF333412, AI270746, W87571, AL520925, BF941562, AA002111, BF746839, AA002112, AA682938, BE825410, AW072594, N57619, AA977512, BE049263, BE277393, Z45954, AW466875, AF092094, AF155157, AK001045, AL137856, AL137856, and AL365321.
HBODV76	282	866420	1 - 2484	15 - 2498	AU120941, AU121012, AU120592, AU120417, BE250269, AI126808, BF695058, BF671906, BF672129, BF671000, BF671449, AW579877, BF576332, BF670252, BF305501, BF574301, BF791231, BF574798, BF672754, AA418414, AW960122, BF790531, BE156553, BF671961, BF575411, BF670857, AW579872, BF791312, BF671769, BF671792, BF790835, BF671456, BF790846, BF672675, BF693805, AA192617, BE156566, BF671448, BF695105, BF670273, BF575478, BF672161, BF790545, BF693774, AA418529, BF693658, AA214096, BF672511, BF790297, BF693831, BF576965, BF695389, BF791322, BF671580, BF575312, BF575289, BF577330, BF575066, AA213904, BF576286, BF126096, BF694591, BF790347, AA194412, BE299317, AA195847, BF694759, BF693028, BF126241, BF574925, AA196024, BF671036, BF575248, BF670307, BF694763, AA193197, AI279034, BF574536, AI143596, AA010690, BF671410, BF694979, BF671521, BF695014, BF790293, AI144214, BF575347, AI367745, BF790821, BE156567, AI273691, AA774620, AI288558, BF671111, BF671611, AA211554, AI972216, AA393798, BE670052, AA699389, AA194290, AI668950, AI131111, AI908527, AA653726, F36637, AW022216, AA706028, AA482795, BE156689, BF576244, AA513960, AA393742, AA010691, AA086230, BF695199, W76626,

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HBPAD89	283	637525	1 - 181	15 - 195	AC011123, AP001460, AP001460, AP001562, and AP001562.
HBPAF39	284	850786	1 - 1248	15 - 1262	AA630293, AV763026, AV763058, AA284247, H58354, AW500684, AI554471, BF809041, AA658375, AA176978, AA847499, AI908093, AV763540, AW971071, AV762633, AI805363, AA526343, AI754767, AW083934, H24331, AA226584, H05066, AW963444, AV742957, AI799607, AP001711, U95740, AC004971, AL121891, AC021016, AC005037, AC008403, AL136300, AC007051, AP000555, AC007011, AC007919, AC003007, AL023879, AL133448, AC006312, AL163249, AC005529, AC004645, AL121751, AC009756, AC006130, AC008760, AC018663, AC007151, AC006146, AC005995, AJ009611, AP000134, AP000212, AC005318, AC003982, AC004858, AC006111, AL035079, AL022323, AP001747, AC005736, AC010605, AP001627, AL122015, AL158040, AC011462, AC008812, AC010789, AL031680, AC004526, AC004867, AL132713, AC004491, AC002492, AC005098, AC005089, AF109907, AC011442, M85145, AC006483, Z85987, AC006241, AP001725, AP000359, AC004965, AC006441, AC010412, AC018738, AC010618, AC004821, AL121890, AF111168, AC005236, AC005046, AC004611, AC018758, AP000049, AL050349, AC000120, Z97056, AC005522, AL096701, AC005000, AB017602, AC004896, AC005332, AC002531, AP000295, AJ400877, AC083863, AC006946, AB023048,

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HBQAC45	285	723505	1 - 1357	15 - 1371	<p>AL078463, AL078463, AL078463, AL078463, AL357493, AL357493, AL357493, AL109844, AL109844, and AL109844.</p>
HBQAC72	286	799512	1 - 2331	15 - 2345	<p>AW170533, AU137084, AW998874, AW998771, AW872676, AA516047, AW872575, N70448, N69125, BE061259, AA714110, AI082622, AI345695, N70447, AA767971, AI865897, BF770689, AW338508, AI633168, AI571161, H11612, AA741011, AA179944, BE263340, BE089717, N91711, BE907155, BG181040, BF667616, BE874651, AV762393, X56465, Z82216, AC003001, X61715, AC002404, AC006112, AC011451, AC006130, AJ009611, AC009194, AC008733,</p>

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HBQAE37	287	637526	1 - 1001	15 - 1015	AI124003, AI445187, AA897328, AA737532, AW627549, AI190742, AW207586, AI872294, AW451406, AI122873, AI253794, DI9777, N50786, BE551531, AI419921, AV682285, AW102731, AI540516, AA598571, AW665998, AW068887, AA993676, AI355364, AI799473, BF434811, AU155480, AA334830, BF593134, AW594696, AA603695, AW057857, AW468023, AA598664, BF194841, AA961774, AU155153, AI031659, AW195605, AI510700, AW965500, AW958137, AV744496, BE535697, H04784, AI758241, AA766363, R69607, AW075561, AL135745, and AC018472.
HBSAJ63	288	848683	1 - 1694	15 - 1708	BG260679, BE744499, BE791844, BE799404, BF341229, BF340249, BG033558, BE563298, BF128559, BF528636, BF792775, BF526027, AL520325, BG118406, Z78324, BG120791, BG252616, AW997217, AA573951, AW378545, BE884919, BE267489, AW161658, BG058810, AL120658, BF954742, BE512690, AW673944, AW953507, AA479588, AW250895, BE545107, BE899050, AI384065, AW250140, BF954739, AA777294, AW410340, BE727160, AI955759, BG057374, AW579652, AA812736, AA514652, AI140280, AA522793, AA889483, BE727788, AW378626, BE299671, AW273718, AA595719, AW378630, AI189202, AA888064, H17214, AA643992, AW675106, AI375020, AW163090, AW157575, BE787232, AI308921, AW074078, AI688905, AI989412, BF876474, AI816518, AA214547, AI751405, AI984530, AA578553, AW152123, W90602, BF830769, AI086778, AI564028, AI814124, AI277623, AI000764, BF943828, AW167325, BE791996, AI591307, AA428453, BF839950, AA479881, AI305195, AV726467, AA448198, BF839936, AA351741, AI197967, W90279, AI186150, N38977, BF926156, AV725693,

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HBSAJ63	289	835454	1 - 526	15 - 540	BG058810, AW250895, AW673944, AI384065, AW161658, AA573951, AW410340, AA777294, AI955759, AA889483, BG057374, AI140280, AA514652, AA522793, AA888064, AI308921, AA812736, AW378545, AI189202, AA595719, AA643992, AI688905, AI375020, AW157575, AI751405, AW163090, AW074078, W90602, AW579652, AI989412, AW152123, AA578553, AI984530, AI816518, BF792775, AA214547, N38977, AI086778, AW167325, AI564028, AI814124, AI277623, AI591307, AL520325, BF839950, AV726467, AI498860,

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HBSDD24	290	839802	1 - 1480	15 - 1494	AW370493, AW298245, AI954739, AW026312, BF000082, AA923304, AI660828, BE938514, AI493723, AA641666, AA502611, AI540196, AI436565, AI817852, AA039704, AW058671, AW304317, AI128059, AA740469, AI189995, AI041255, W65295, BF688986, AI026922, AA443840, AA831862, AI952042, AW370556, AI669862, BE856167, AI206467, AI244961, AI356276, AI376919, AI475488, AU155552, BF446119, AI831204, AI015178, BE739589, AI831213, BG165967, AI301359, AI707965, AA721617, T17379, T74062, AA452800, BF919626, AI146728, R21538, BF592004, AA281320, R86831, AA058760, AW440523, T90016, AA551944, AA336207, N89584, AI198746, T90113, BF879439, AA053240, N41034, AI431987, AI658607, AI867342, AA452936, BF001302, F12441, AI056728, BF924340, BF924505, BE905733, BF931287, AA984822, AW068407, AA918334, AA706016, C02143, AW904410, AA947728, BG164347, AI612974, F10063, AA026963, BF919629, BF925739, AA446627, N59584, W65393, AA280078, AI694016, BF725735, AI932841, BE910617, AL532144, BF223553, AA837231, AW956434, BF919249, W22072, BE410198, BE185031, BF688595, AW966809,

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HBWBD25	291	800765	1 - 1490	15 - 1504	AI368804, N74612, AA630469, R18135, R18136, AV656321, BF833015, AW896339, BE709787, AC000385, AB007953, AC004924, AC005326, and AC027341.
HBXAS93	292	836513	1 - 1745	15 - 1759	BF742127, BG028665, BF982222, BE386554, BF901469, BE067011, BE545345, AW273350, AI671077, AF111173, AF100172, AC007050, AC005412, AL034380, AL136418, AL133448, AC005520, AC010412, AP000359, AF053356, AC007537, AC005280, AC006538, AC007308, AP001752, AC010205, AC004876, AC004805, AC011310, AP000045, AP000113, AL354720, AJ251973, AL117344, AF168787, AF200465, AC008745, AL161936, AL137074, AC011489, AC018637, AL096701, AC005746, AL035458, AC009116, AC011465, AC009756, AC002565, AC004152, AL355392, AL110115, AL035086, AC008044, AP001630, AC004816, AP001717, AC006111, AL355984, Z84480, AC005015, AP000305, AP000504, AL121753, AC005098, AC008753, AC005225, AL035587, AC020904, AC009477, AC021016, AL162584, AC005399, AP000501, AL132713, AC006330, AC010311, AC005756, AP000354, AP000352, AC002400, AC011475, AF109907, AC008543, AP000300, AC006241, AC004166, Z97054, AL136300, AC011452, Z81308, AP001748, AF243527, AC004858, AC005102, AC008040, AE000658, L78833, AL035071, AL353701, AC005331, AP000115, AL031121, AP000047, AC005086, AC007619, AC004867, AP001053, AC006948, AC007686, AC007366, AC005578, Z99716, AL049840, AC007666, AC010358, AL356379, AC005972, AC009087, AL021939, AL109976, AC004826, AC004638, AL022324, AC004089, AC007055, AC010677, AC007383, AC006130, AC008687, AL050335, AC007216, AF129756, AC009600, AL049758, AC004383, AL133245, AC011455, AL031311, AC009953, AL031680, AC006449, AL137818, AC005103, AF001548, AC005726, AL031432, AC011490, AC024075, AC004148, AF196779, AL133551, AC005277, AC004491, AC005057, AF196969, AL162615, AC008569, AP001714, U47924, AC004887, Z98950, AC004967,

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HBXAT27	293	815571	1 - 2392	15 - 2406	BE794308, BF508826, BG258199, BG258937, BG176669, BE781784, BF968241, BG024971, BF034651, BF238182, BE785732, BE743443, BG028860, BF315161, BE083110, BE269219, BG256743, AW131550, AI826692, BE263007, AW131834, BF337515, BE257334, BE903515, AL110387, AI797239, AW953315, BF813788, AW027065, AA701674, BE169139, AI885586, BE257254, AI949831, AA399326, BG256846, AI061443, BF813140, BF960773, AI524069, AI263277, AI912870, AA098955, AW519099, BF127648, AA460587, BE090583, AI143583, AL119187, AW304467, BF678334, BF210234, AW027064, AA516118, AI250835, BE782771, BE884824, AA954164, AA886390, AI679587, AI088740, AW629262, T33648, AW663638, W69506, BE063281, W69628, AV659863, BF904966, AA770250, W28390, AW388040, AA461514, AW090322, AA111893, AA024541, AI240787, AA024542, W28214, AA490728, BF205992, AW407875, AA172279, R88050, AA954203, AA563892, AI248710, R81028, AA912237, AW518226, AA497010, AA085564, AA491219, BG112802, AA741413, AI950487, D11607, AA978268, D53527, BE885225, D11591, F07214, BE044020, T31534, T32424, R88873, BE872589, AA877513, AA680255, AA085693, R00252, T33647, D53531, AA173246, AA312385, H15801, H71528, AA356261, AI280596, BE041310, BG168713, M78805, AI245658, AA356994, BF576534, R88984, AA333609, AV705274, AA249353, R92997, AA613363, H90510, AA361057, AI807716, AA988044, T35518, R88812, AW503111, AA398333, AA368084, R80822, AA360632, D54086, AA361285, AA345472, BG171212, H90606, AA090145, R40811, AA489592, D54201, R89532, N55685, AW387907, AA330326, AI870083, AW387910, T34206, R87999, AI014770, AA343953, AI446398, D55595, R93038, AA173255, BE179101, BE970006, AA679638, AA176988, D54495, BF754913, BF816058, AW081060, BE167956, BE252211, R00362, D52880, AI630022, BE167921, BF886986, AA416480, BE769838, BE222887, AA403203, AI287684, BE268955, F09373, AI203910, BG180771, AA044287, AA151108, T05574, AA831470, AI884358, AC007845, AC016025, AC016026, and AL356307.
HBXAW57	294	815650	1 - 1363	15 - 1377	T03467, AP001751, AP001046, AL035249, AL133240, and AC068059.

HBXBI29	295	847000	1 - 2029	15 - 2043	AW450345, BF059281, AI652060, AI028301, AI341171, AI148944, AI932320, AI222080, AI018400, AA911242, AI214979, AI917686, AW881598, AI187962, AW938013, AW468183, BF818066, AU146183, AW965370, BF131289, BF743384, AW004962, BE382352, BF026808, AL031121, AL163206, AL008629, AC001234, AL031728, AC005340, U91327, AC010519, AF249850, AL121875, Z99714, M64404, AC012147, AC005387, AC003009, AF027865, AC003694, AL161644, AC005215, AC000398, AC004104, AC010132, AL009179, AC007080, X66603, AL050331, AK024585, AL049861, AC005953, AB042030, AL031073, AC002121, AC006330, AL158144, AC002402, AC005955, AC005615, AF109719, AC002401, AL356750, AL137220, M57283, U02391, AF249863, AK025061, AP002530, E15702, AC008641, AL162742, AF287263, AC005193, AJ277261, AL034429, AL050284, AF311103, U67418, AL356464, AC023905, AC007002, AC034242, U07183, AC004920, AL109804, AL445242, AK021937, U16984, U92882, AL135978, AC009307, AC084392, AL133355, M60322, AC058790, AF259750, AC009226, AC008064, AC008067, AP001697, AF213884, AF284823, AB051897, AC003957, U62328, AF016405, M88301, AB042197, AX027824, AF038537, AF093624, AC007405, AF055469, AC068999, AP001599, AL021879, AF026198, AC068906, AC006992, AB040879, AC034109, AF153354, AL118505, D85183, AF120480, AL139186, D10727, Z93022, Z99297, Z84720, AL136230, AC000400, AC008997, AL359853, and AC026028.
HBXBM24	296	823353	1 - 699	15 - 713	AI939532, AI356205, and AL515339.
HBXBM78	297	812527	1 - 2777	15 - 2791	BE388876, AV722966, AV760983, AV762946, AV762161, BF185935, BF108823, AV759946, AV761323, BF064074, BF689470, BF001385, AL046433, BE349503, BF690404, AI819289, AI090048, AW305162, AI857825, AA551911, AI963412, W04340, N90883, AI970338, AI652494, BG055077, AA502649, AI200346, AA158746, AW083258, AI348109, BE551410, AV763075, AA150467, F29360, F21409, BF436259, AA040295, AI831018, W16820, AA514281, W79500, T67539, W79599, R86673, AA807108, BE502539, BF344822, F25102, F36686, AI351521, AI961780, AA609867, AW206720, AA056972, F24355, BE164504, BF917215, AA311166, AA513661, F30483, AI805040, AI349360, AA532766, AW590360, AI962009, BG236085, T64334, AI720757, AI832241, AI817647, BE140360, AI400242, R86847, BF741663, AI383420, T65686, N74174, N92928, AA584402, AW138172, BE170117,

					AA297326, AA359080, BG253152, AF113615, AK025992, U23861, AC008594, AC008594, AC040160, and AC040160.
HBXCD59	298	860439	1 - 2003	15 - 2017	BF531033, BF528171, AW950918, AI870415, BF340451, AI360233, AI038686, AA779580, BF338970, AV724360, AA682963, R24329, BE767216, T05265, BE767190, AA350513, R24342, Z43109, H11777, Z45111, Z42002, BG030716, R20097, R17120, N54121, H00149, AA774883, BF921123, AW370555, T06869, AA247964, H58760, N88601, N83168, N88782, N84855, AA095359, N83992, N89520, AA096046, N84048, N83991, AA247827, AA095641, AA096066, N84718, N83993, N86694, N84830, N55698, AA089553, N84712, N88518, AA471338, N84829, N87989, N87898, D87458, AX045769, AX026540, U48696, AF102850, AF045432, AF103726, S78798, AR074144, U39066, AJ243486, AX026542, AF039698, AR066487, AR074136, X98248, AR074139, AX026543, AX026547, AX026552, AF032922, AX026545, AR083937, AX026539, AJ401268, and AX026550.
HBXCE43	299	809108	1 - 1259	15 - 1273	
HBXCG08	300	628501	1 - 1865	15 - 1879	BF305556, BE786667, BE747865, BE274735, BG120818, BE898240, BF858030, AI859770, BF858037, W29032, AW296741, AA489437, W47240, AA939281, W47124, R89672, BE300490, AW192057, R88686, BF313304, R89636, R85339, R88836, R85915, BE314762, AW992785, AW366367, U25912, AW992799, AW151870, AA513122, AC004671, AB029004, AC002350, AC016543, AL133245, AC004771, AL009181, AC009086, AL034429, AC006132, AC022073, AL445483, AC009756, AL121903, AP000501, AC007956, AC004922, AC005781, AC021016, AC004985, AC005899, AC010422, X70410, AL157938, AC020898, AC007404, AL450226, AF030876, AF031078, AC005921, AL137039, AC018751, AC007537, AC009516, X85545, AL118506, AC005317, AC006538, AC005255, AC004671, AC004671, and AC004671.
HBXCM52	301	799513	1 - 2506	15 - 2520	AU132633, AU119136, BE799425, BE780992, BE793190, BF217040, AA779588, BG028776, AA199859, AA779718, AA664343, AI751072, AU152580, AW962822, AA633737, AA355825, R20381, Z42654, F08207, F02149, AI609972, AW500029, AI732151, AA199929, AW779609, BF681619, AW270768, AW819125, AW069227, AI291037, BF946053, AW237905, AW271917, AA504818, AW468372, AW572721, BE301584, AI357823, AU152561, BG222813, AA584484, BE062476, AW190505, T06202, BE062478, AL079734, T74524, AW080811,

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HBXCQ03	302	589516	1 - 954	15 - 968	BG120175, BE544936, AI201576, AV715085, BE784521, BE907045, AW954163, BE903963, AI523237, BE896658, BG178628, AI129802, AV716639, AI093553, AI609536, BF971819, BE865555, AI803312, AA447254, BE390304, BE796919, AA868174, AV759937, AV647691, N30176, BF541180, N24318, BF516529, AA453632, W37958, BE162169, W37898, BE568162, AI017441, AI755029, AW063634, AA181847, AW063677, AV754412, BF381600, AI139185, AA581849, BF843365, AI583215, AA286953, AV706513, BF843410, AA622390, AA593083, AI149776, AI147768, AW001548, AI126677, AA454050, BE882004, AI056923, AI075220, AA977028, BE673356, AI056023, AA854448, AA676961, AA989490, R95065, AI138447, R32288, AI937702, AI203651, N39222, AI167871, AI566213, AA287960, AV744208, AI077623, AI245299, AA928193, W46559, BE646003, AI355962, BF219142, AA484710, AA600331, AI760290, W79221, AI832052, AW237497, AI271783, AI298203, N70085, T87348, AA687733, AI991443, AA057201, AA470688, W46579, AA612840, H98821, W74509, R32264, AI805681, AI922006, BF941896, AA760827, AA299857, W00834, H98890, AV740884, AW063915, N23546, AA197188, AA644194, N39439, BF923729, H71672, AI658834, BE170263, N31237, AI362144, BE707356, AA055230, H08378, AI214394, AI190432, AV761586, AV759837, AA197197, AA437167, AA365540, T78855, W39071, AA304197, BF195909, AW771916, AV743851, BF130346, H11007, N46121, BG255863, AI927319, AA356963, AI264938, AA399247, AI208045, N46666, AW972756, N40822, N89815, AA360450, AA344227, AI928313, AA365174, AV740004, N48552, AW023822, AI301745, AI219014, BE699110, BE699132, AA057153, AI193498, R94976, T85817,

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HBXCR15	303	731861	1 - 1221	15 - 1235	AL534810, AL534387, AL535104, AI878947, AI934453, AL534169, BF345871, N34403, AW291820, AI948422, AW149505, AA161489, AA775285, AA976241, AL535103, AI983977, D80841, D60261, AI356643, AW872857, H19726, R44316, R44451, AW339237, AI566954, AI694577, BG059542, D80639, H17103, D81701, R87590, D80938, R44315, AI880344, R42107, H20064, D61349, D59321, AA350959, D60214, D60136, R15366, BF529462, AA338646, AI816257, R14282, R37720, AA351196, D80937, BF956594, AW957601, N48637, R19665, BF346067, H17721, BF959698, R54366, AB012162, AB022529, AC027307, AC027307, and AC027307.
HBXDL52	304	873460	1 - 2297	15 - 2311	AU119437, AU137547, AU120638, AW952705, AI126298, AU157282, AA928139, AU146650, AA884911, AA669075, AW237645, AA984931, AW207449, AW102724, AW901618, T75092, AW873598, F10664, F13070, AA909557, AA323033, AW104892, BF438108, AW885975, AA122151, R15207, F12792, T75332, AA483610, AA736795, AA989534, Z42341, BE612612, AA249408, AA039633, N88944, T06701, BF697021, BE833299, AL445216, AK001134, and AL137503.
HBXDL52	305	889328	1 - 2297	15 - 2311	AU119437, AU137547, AU120638, AW952705, AI126298, AU157282, AA928139, AU146650, AA884911, AA669075, AW237645, AA984931, AW207449, AW102724, AW901618, T75092, AW873598, F10664, F13070, AA909557, AA323033, AW104892, BF438108, AW885975, AA122151, R15207, F12792, T75332, AA483610, AA736795, AA989534,

					Z42341, BE612612, AA249408, AA039633, N88944, T06701, BF697021, BE833299, AL445216, AK001134, and AL137503.
HBXDN08	306	566765	1 - 1043	15 - 1057	BE906748, BF218201, AW081278, AI333308, N98688, AA703183, AI479988, AI193601, AI683545, BF440014, BF694432, W90604, BG055247, AA745924, N76115, AI679961, AA453843, BF062867, AI948693, BF697551, W05566, AI679521, AA443841, AI373921, AA453759, H04280, W90281, AW369676, AW449922, AA699486, N70761, BE296059, BE004467, AI580844, AI445358, BF344475, AA431912, R55259, AA443699, N66163, AW747961, AA992879, Z41490, AA007177, BF756284, T99424, BE270351, T99530, BE295152, AA007176, BE892466, AI424134, H40015, R43458, R40222, BG116037, N48414, BE294735, AV757973, AA976548, AI214537, H02986, BF986044, BE000838, AI696420, BF090636, T25107, AL534238, BF090769, AF039843, AX035193, AF176904, AF176905, AF153084, AC012110, AC012110, AL354668, AL354668, AL354668, AL162211, AL162211, AL162371, and AL162371.
HBXDN65	307	840021	1 - 1934	15 - 1948	AV763460, AW162314, AV758849, AV683406, AW162332, AA180056, AI174703, AA280886, AW409621, AW265468, AW410844, AI890283, AA610644, AW514844, AI446618, AV755245, AW474825, AW021674, BG180320, BF724416, AI754257, AW409626, AW970856, AA765899, AW328185, AA425283, BE677164, AA807704, AI312267, AI890297, AV702625, AL121039, AW338376, AA171400, AI732720, BG003974, AI702049, N99245, BE882869, AI344906, AW275432, AW962791, AW502688, BF940118, BF525663, BF880881, AI444575, AA568303, AA557945, AW962971, AW023390, AI270280, AV759517, AV734311, AI254267, BE273825, AI567676, AW963552, AW157128, AW419201, AI252005, AI254463, AW157424, AU120423, AW410409, AI076729, AI819419, AW072963, AW148821, AW504667, BG059139, AA533660, AV757180, AW873417, AA640305, AI038029, N72678, H53546, BF812696, AI064968, AV760560, AA618531, AI003068, AA554289, AU151751, BE080768, AV760048, AA631915, AA603359, AA489390, BF725436, BE244308, AF126947, AW575808, AW963295, AA728954, AI572680, AW268793, AW403177, AI636422, AA218684, AI285651, AW839858, AA313025, BE049409, BE152006, AI609992, AW148964, AW875184, AW731858, AV763650, AA636077, AW631267, AI028148, AV651424, AV706458, BE744372, AV652066, AI251024, AW439224, AI889995,

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HBXFA04	308	842901	1 - 608	15 - 622	AI016087, AA416923, BF445341, AI187411, D81712, AA393224, AI366709, AI138856, AI300972, BF446095, AI208569, AA770226, AI266465, AI273636, AA806060, AI469870, N78510, AW138575, AA620996, BF511047, AW612658, AI681313, AV737414, AI347395, AA192299, BF589340, BE857975, AI310114, AI308072, AI142657, AI311563, AW005093, AI078265, AA917590, AA780190, AI264128, AA416858, AI479418, AI094689, BE857372, AA025864, AI971045, AI870613, AA723525, AI273866, AA975941, BE280253, AA443766, AI971121, AA626296, AA435851, N73669, AA935945, BE907087, AI681934, BF110215, AI735291, AI749426, AA476818, AA026598, AA196353, AI919372, AA196360, AI292139, AI680820, AI269875, AA196338, AI306499, AI690271, BE045317, AV743029, AI306498, BF664988, AA417880, AI735033, BF690782, AA192313, AI804297, BF540829, AA469915, W84495, W84355, AA248888, AV724520, AV718692, AV718489, AV744771, AV745847, AV719783, AV720464, AV701012, AV742001, AV745190, AV745920, D80168, AV743601, AV746385, AV718844, AV720731, AV701121,

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HBXFE64	309	838824	1 - 1633	15 - 1647	<p>AA904211, AI284640, BF668217, AI355007, AV740801, AI826761, AI345654, BG222580, AW502975, AW627747, AI744830, AV763026, AV763058, AW243793, AI936229, BE350475, AW949694, AW517900, AI223968, AA704393, AI244127, AV761631, AI186438, BG059523, H73550, AA602906, AW957372, AA610491, BE047069, AV764398, BF589824, BG223316, AW238253, AC007536, AF053356, AC005736, AB020868, AC004895, AC008543, AL135749, AL137780, AL139099, Z82201, AC008760, AL356801, AC005971, AL356422, AC000115, AC002369, Z98051, AL133445, AC004485, AC015651, AP001207, AP001598, AC004858, AC004477, AC004916, Z97632, AC010271, AC005620, AC005082, AL157838, AP000140, AC011510, AL022322, AL031847, AC006160, AF176815, AP001697, AF109907, AL445705, AC010553, AC005913, AC002404, AP000555, AC004846, AC008014, AP001748, AC020954, AC004824, AC008482, AC010150, AC005696, AL135839,</p>

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HBXFI33	310	610452	1 - 584	15 - 598	AL121865, AL121865, and AL121865.
HBXFP72	311	688040	1 - 1453	15 - 1467	AV700240, BF034794, BE542761, AW955753, BE858597, BF820813, AV700056, AW834834, AA977676, AA039596, AI871723, AA039597, AI201016, AW338088, AI923596, AW268550, AI016244, AA826433, AA165179, BF573340, BE710275, AA876424, AW130871, AW994254, AI168822, AA743485, AI039963, R81034, BE827094, AV686074, AA526606, BE938870, AV713749, R80933, BF898713, AW131872, BF889337, AA367044, AA278895, AI352299, AI688836, AV735068, AK024961, and AC008831.
HBXFS31	312	815651	1 - 1537	15 - 1551	AU120416, BE973855, AL120058, BF965394,

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HBXFW01	313	847001	1 - 1238	15 - 1252	AL534520, AA776882, AA902212, AW161944, AI815901, AI816021, AW160773, AW162341, AW953249, AW163604, AI929610, AA911738, AW163622, AI929334, AA772991, AW160925, AI929367, BF347043, AW967217, AI929442, AW964321, AI816013, AI929398, AW162956, BE047169, AI929292, AW162277, AI929266, AA450192, AA707240, AI815858, AI815865, AA626061, AI815623, AA679846, AA205316, AW162973, AI372557, AA912026, AA973414, H29665, AW161604, AI671152, AA706286, AA297816, AW903451, R87354, H29709, T08782, BF512497, H29581, R54365, R54364, T16877, T33780, T31060, AA297813, AI207162, AA165495, T33587, R59349, AA297764, R43052, AA350470, AI652341, R59407, R20266, AA350469, R46024, AI372556, AA450126, R18729, BF931688, AW452417, AW118466, T15616, T03869, R22833, AI929344, AA206748, AI657065, AA297794, AW162532, AA165397, BF943988, BF945599, R43606, T08783, AI886949, AI609483, AI929739,

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HBXGE12	314	131089 1	1 - 2502	15 - 2516	BE856551, N66656, AI953086, AI744607, AA173241, BF507861, AI339480, AI743767, AI565754, BE047699, AI362754, AI340346, AW953222, AW006084, AW015133, AI933317, AI863408, AI084095, AI885129, AA629251, BF223751, AI830892, BF307883, AI199671, AI830911, AA700777, H40797, H88498, H40796, AW592960, BF115495, AI651662, H28702, AV723914, AI740873, AI937686, R17513, AI198301, BE298994, H17223, AA173131, H08733, R42607, BE299247, H55332, R35737, AA886379, AI873220, N98939, Z83837, AF131851, AL096843, and Z84468.
HBXGL91	315	901845	1 - 2469	15 - 2483	AU123498, BF669940, BF698950, N42103, AI275144, BE538238, N33041, AA084153, F02846, AI086395, F03317, AI609217, F04586, BE933901, AK001178, AL050066, AF265577, AB020854, S56141, L22022, S56968, and S56142.
HBXGM24	316	821320	1 - 1649	15 - 1663	AW275007, AI141911, BE781027, BE245825, AU117048, AL532687, BE408894, BF344952, AL134565, AW834551, BE145121, AW834553, BE894112, BE147893, BF876571, AW817795, AW816056, AW937815, BG030748, BF815705, BF792143, AW881669, BG250853, AV730945, BE780820, AA505002, AI114667, BG104743, AW835378, AA349831, BF931573, AI940253, BF991141, BE080852, AU118935, AI086283, AW937721, AI920994, AV731285, BE074268, AA505013, AA505003, AW834576, BE145717, BG112019, BF968259, AL157598, AL157534, AW855467, AA736433, AA505014, AW811646, AV732399, AW418752, AW983779, AV750964, BF956959, BF989008, BF431227, AW896907, BF813199, AA708027, BG007655, AA598424, AA613356, BF343443, AW835380, AI809468, BF576449, BE158629, BE501524, AW890940, AA018943, AC006313, AC018712, AL121983, AC024085, AC006994, AC005969, AC005703, AC006226, AL133281, AC007731, AL391986, AC005500, AC005177, AC004969, AL121944, AC008473, AC008456, AL354750, AL049828, AL445259, AL391684, AL355520, Z82205, AC078854, AC007482, AP001731, AC007282, AC017028, AF248484, AC073504, AC004845, AC006212, AF127577, AL031054, AF196971, AC073387, AC018767, AC018503, AC004014, AC008555, AC023480, AL163207, AC006322, AC002381, AL390023, AL137226, AL021877, AP001622, AC004749, AC010251,

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HBZAI75	317	668231	1 - 1517	15 - 1531	AL049268, AL139010, AL139010, and AL139010.
HCABP33	318	866421	1 - 209	15 - 223	AW503311, AA855019, AI832219, BE397904, AI202027, AA864900, AI400341, AA055973, BE502452, BG057841, AI424455, BF222132, AI273366, AI348210, N68010, AI498915, AI825759, AI650669, AA554534, AA218963, AW973693, AI656101, AW408617, AW408113, AL534213, BE561797, AW135522, AF086104, AF132541, AC011458, AC011458, and AC011458.
HCABW10	319	846467	1 - 2001	15 - 2015	BG176665, AC021681, and AC021681.

HCACZ65	320	850785	1 - 1950	15 - 1964	AL022165, AL022165, and AL022165.
HCBAB34	321	847002	1 - 1636	15 - 1650	AL519857, AL522429, AL525166, BE738260, AI822041, AL522428, BF790896, AA442345, AA401532, BE254979, AA437268, BF435254, N52034, AA416631, N40185, AI015605, AL525165, AI027999, AA401531, AI306383, AI022127, BE566102, AI208862, AI219053, AI352148, AI075231, AA904123, H23508, AA417289, AA894783, AA861727, AI350959, W01791, BE219962, Z39955, AA682619, F03154, AW452671, AA417315, T34718, AA151473, AA416846, AA363724, AA812629, AI205763, BF889168, AA504848, R50718, BF795119, AI620469, BE737946, N54649, BF953602, BF514822, BF953600, BF950828, BF953606, BF953605, BF950827, BF953597, H23500, BF950833, AW149619, BF953596, AA600964, AA248013, R13589, Z43892, AV741309, AA776535, AI948984, BF897667, BF992791, BE893315, AI343123, AA827281, AA309473, AI049800, BF995557, BE063301, AI948959, AI822093, AA329535, AI240919, BE543257, AI682310, AI114704, AW778931, AU158351, AA862014, AU159566, AI798242, AC004024, AL356414, AC019106, AL031291, AC003665, AC006011, AC009244, AC003663, AC006379, AC006597, AC006976, AL121949, AC010289, AC004814, AC007486, AC005098, AC008372, AC003029, AC002996, AC007666, AL049766, AC000052, AC009242, AC005015, AC005049, AC004019, AC007078, Z85987, AC007191, AC007428, AL034405, AL049830, AL031727, AC009032, AC005011, AL049542, AC000353, AC009333, AC004826, AC005365, AC020663, AL079336, AC007282, AP001705, D87675, AC005667, AP000355, AC008476, AL080317, AL136999, AL121751, Z83844, AC004382, Z82206, AL121652, AL117336, AL035658, AC008569, AC009509, AC006480, AL121916, AL157877, AC010170, AL109918, AC005072, AF108083, AF168787, AC004991, AC016778, AL109976, AC003689, AL158196, AC004166, AF111168, AC078899, AC005206, AC007000, AC005304, AC006075, AL109623, AC005081, AL109936, AL109967, AL033504, AC004971, AC073539, AC009247, AC007993, AC018764, Z83838, AC004805, AC003101, AC018493, AC006112, AP000047, AC019227, AP000555, AL354864, AL121580, AC010485, AL035671, AL353807, AC006515, AL135924, AC004099, AC010632, AC005280, AC011248, AL139350, AC002115, AC018738, AC011742, AL163282, AC008009, AC004867, AC007637, AC006013, AC002044, AC004560, AC006276,

					AL035587, AC005317, and AL035072.
HCDAA24	322	806565	1 - 910	15 - 924	AI811075, BE908622, AW070435, AA708916, AA877889, BE503177, AI673586, AI290476, AA535517, BF569064, W05138, AW514005, BF127934, AA243877, AI446297, AA514267, AI240304, AA243884, AA502383, BE258194, AI682428, BF063249, BG012760, BG014657, AI784582, AA502905, BG260395, F16063, BF884748, H96943, BF904627, AA862373, N75418, and R55643.
HCDAA24	323	894773	1 - 1001	15 - 1015	BE908622, AI290476, AI811075, BE503177, AA708916, AW070435, AA877889, AI673586, BF127934, AA535517, AW514005, BF569064, AI682428, AI240304, BF063249, AI446297, AA243877, AI784582, AA514267, F16063, W05138, AA502383, AA243884, BE258194, BG012760, BG014657, AA502905, AA862373, H96943, BF884748, BG260395, BF904627, N75418, R55643, AV724520, AW966054, AV719783, AV720464, AV719468, AV718800, D80164, AW949654, AW966043, AV718487, AA305578, D80248, AR070327, AR060385, AR016691, AR016690, U46128, and AR060133.
HCDAF17	324	722206	1 - 789	15 - 803	BF666325, AI650305, AU152292, AW664357, AW664372, AI949332, BF131307, BF695543, AI206515, AU152653, BE565134, AI188549, AW169558, AW204540, AI433853, AI580329, AI624558, AA994295, Z40075, N34408, AA602338, R68268, AI015727, R54010, R53421, BF692714, AW664144, AA090402, and U72788.
HCDAH02	325	653066	1 - 651	15 - 665	BE888288, BG034953, AL536781, BE551063, BF590657, BG115945, AI373082, BF382441, BE327195, BE895010, AV759369, BF972414, AI690236, BE870346, AI870764, AV693339, T97702, AV693620, AA564435, AA354839, AA838632, BF197663, AI915144, AA377701, BE772545, AW137697, BE313508, AI954846, N42756, F06141, Z42939, N95695, R98511, BG117569, W19932, BF223742, R79680, AA131526, BE565309, BE175551, BE175535, N77708, BE018209, BF032912, BE567647, AL031597, Z84477, AC022201, AC046185, AC046185, and AC046185.
HCDAP33	326	566794	1 - 1440	15 - 1454	AW512408, BE673897, BE672198, BE739450, BE327644, BE549985, AI700700, AA777895, AI815226, AA917672, AW816301, AI911234, BG165218, BE220240, AA595359, AA031324, AI342107, AI160506, AI214211, AI580795, AI274975, AW150250, AW612650, AI346085, AI348235, AA040875, AI075236, BE739623, AI378184, AA748325, AW002792, AA938750, BF593115, BG107612, N22159, AI498479, AV757479, N59349, AA258785, AA731681, AW243172, AA810789, R53978, AI337729, AI633096, H97769, AV713780, AA258888, AA834356, BF965355, AA031323, AV713247, BF679371,

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HCDAR40	327	654821	1 - 839	15 - 853	<p>AA572983, AA568314, AA658918, AA654038, F23264, BF873758, AI587583, AI587565, AW813668, BF725178, AW847624, AW970987, AA525807, BE328656, BF882222, AW674258,</p>

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HCDAS02	328	896667	1 - 1103	15 - 1117	AL526881, BE905873, BE783022, AI636890, AW672855, BE552366, BE266200, AW590071, BE388729, BG031951, BF091842, BF799337, BE888385, AW204064, H22878, H11879, BE785851, R19048, AW605092, BE788805, BF758116, AW604853, AW449068, T81917, BF342756, AU125504, BF983374, AW966330, AV724520, AW975618, AL135140, AW973445, AW966389, AW973541, AW964468, C14331, AV718692, AV738340, AV718489, AV699550, AV720211, AW949645, AV692290, AV702035, D80188, AA809122, D80166, D81030, D80253, AV719822, AA305409, AW973488, AV718681, AV718938, AV718633, C14389, D51060, D51799, D80366, AW949654, AV719324, D59619, AW966013, D80210, AW960553, D80240, AV723927, D59502, AW978634, AW966368, AW966397, AV701839, AV699866, AW973307, AV720791, AW949656, AW949642, AW975613, AV720203, C14014, AW959799, D59859, AW966369, AW973490, AW949658, AV701004, D80212, AW966053, AW966059, AW966388, AW965163, AV720151, D80164, D80219, AW966054, AW973474, AW973447, AV719783, AV719468, D80439, AV718800, AW960454, D51423, AV720464, AW973330, AW978661, AA514186, AW975605, AW966378, AV718707, AV718487, AW966386, AV718931, AV720878, AV719557, AV720616, AV720731, AW966331, AW966398, AV699447, AW958993, AV722801, AW959136, AW966075, AW966065, AW966022, AV703738, AW959202, AW360811, AW966029, AW966041, AW960465, AW965185, AW965197, AW973334, AW966399, AW966531, AW966534, AW962395, AV742048, D59275, D80022, AW949657, D80195, D58283, AW975621, AW950578, AW966333, D80133, AV718770,

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HCDBE76	329	840076	1 - 671	15 - 685	<p>AV728712, AI743629, AI935657, BE962701, AI458415, BE613132, AW803310, AI435916, AI820618, AI312016, AI435599, BF514677, AW664096, AI263864, AW020527, AI379349, AW085498, AI151316, AW062570, AI185678, AI654074, AA810187, AA604641, AI678942, AI201488, AA431591, AI288926, W04266, AI689612, H97141, R15700, AI493344, AI869041, AA830721, AI470027, AI868363, AW803374, AI868314, AW419113, AA665080, AW957094, AA431460, R02191, BG114296, AW178817,</p>

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HCDBO32	330	831942	1 - 2616	15 - 2630	AL537440, AL531001, AL531000, AU118775, BE613081, AW976126, BE739778, BE612415, BE886668, AW965087, BF671603, BF114976, BF001395, BF104843, BG169691, BF790959, AU145261, AI524826, AV700940, BF115561, AI628083, BE501914, BF028814, BG107506, AA456561, BF695399, BF064237, AW771567, AI554053, AU152051, AI066556, AI478798, BE962627, AW770611, AW963335, BE739003, BF064238, AI801476, AI807830, AA913477, AI424225, AA227589, BF575758, AA625584, AI963182, AW771337, AA576069, AI252762, AA070604, BF589915, AV702872, AA428503, AA235962, AI539101, AA419520, AA721024, BF700344, AI357722, AA314319, AA310761, AA235961, AA888687, AA479915, AW300423, AA304968, AA912243, AI910898, AI521757, AI658537, AI000288, AI244242, AA304963, AI583529, AI950641, AI005178, AI254210, AA806032, BE177264, BE769195, H26906, AI688879, AA832031, AA081596, BF082553, BE699120, BF588478, AW888693, AW888689, AA362983, BE176881, R33476, AI382821, AA614062, AV747748, R34012, AA652453, AV748003, AA343918, AA355362, AW965719, AW819087, AA074345, AC004987, AK021702, AC004884, AB017707, AJ388553, and AJ012491.
HCDBW67	331	733860	1 - 663	15 - 677	AL523962, BG122940, BF983873, BE271224, AI040048, AL521560, AL515309, AI350570, BE694814, BG012629, AW470067, AA629860, AU155469, AI817134, AA112678, BE271043, BF219411, BE904090, BE350682, AI378990, and AK023408.
HCDBZ31	332	701973	1 - 844	15 - 858	AW469726, AI377553, AW888567, AI039215, AI590227, AI824576, BF812960, AL514015, AI306610, AL513901, AL046466, AL514155, H89138, AI590043, AI285439, AW051088, AI638644, AI698391, AI687168, AL514063, AI540458, AL515033, AL514867, AI580436, AA916133, AV750565, AA279795, AI624293, AL514791, AI866469, AI818980, BE544111, AW162194, AW089844, AI582966, AL046595, AI891084, AL514357, AI819976, AI673363, AI918435, AI670009, BF868489, AL514493, AL119863, AL514087, AL513979, AL513977, BG029829, AL513597, AI801460, AL514871, AI861973, AI540674, AW163834, BE393784, AI371243, AL038437, AI582932, AW128834, AL515413, AI270183, AA975952, AI289791, AW262552, AI570966, AI570807, BE965129, BF970652, AI345416,

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HCDCB03	333	571037	1 - 1524	15 - 1538	<p>AL517172, AI361969, BF967678, AI922855, BF966710, AA992606, AV728080, AW028099, AV728533, AV703729, AV727275, BE218029, AW962877, BF940206, BF337628, BF699344, BF344901, AW190507, AA001138, BE768850, AW026418, AU152542, BF681104,</p>

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HCDCE51	334	813504	1 - 1071	15 - 1085	AW957759, H08961, W20139, AA237066, R46859, AA354236, BF337291, AV704232, AW827240, AV655096, AV762645, AL138455, AV760391, AV760466, AV760389, AL042853, AI821062, AV698043, AL046262, AV756220, BF342223, BE252421, AV683513, AL042538, AI570389, AV759518, AA594157, BF725761, BF676981, AL042753, BE901529, AL045943, AV762395, BF857083, AL035847, AW827205, BE906410, AA598742, AA853473, BG033220, AA768247, AW021195, AV763418, AL353802, AB052200, AC012502, D83989, AC007298, AL353745, L30117, AC004883, AL022170, AL022147, AF168787, AC004987, AL121920, AF091512, AL136128, AC026431, AL163282, AP001666, AC006994, AC007114, AB046642, AF130056, AC011491, AC011484, AF042090, AC006112, AC005291, AL035458, AL121656, AC024247, AC010605, AC006241, AC005968, AC007383, AL445490, U95739, U66059, AC021016, AL353625, AC023880, AC002467, AC002352, AC002115, AL034417, AB049900, AC019176, AC020908, AP000344, AP001725, AC010081, AC002564, AC008534, AC009336, AC007282, AC002464, AC005048, AC006451, AC073342, and AC073342.
HCDCI42	335	847004	1 - 1032	15 - 1046	AW119233, AW299412, BF105238, AA173512, BF208045, BE542928, BE889829, AU139403, AV695975, BE566224, AW955434, R76511, AV692649, AK002192, AF174536, AF191838, AR016417, AF145705, and AF191839.
HCDDDB15	336	841041	1 - 1408	15 - 1422	AL525400, AL525227, BF339568, BE562581, BE258618, BE736367, BF982872, BE797757, BF343522, AV716551, AA902725, AI589864, AI820040, BE676341, W68166, W67707, AW273484, BE503344, BE620119, AI871681, AA825715, AA148301, AA010772, BG034304, BF026964, AI686410, AI738970, N49809, D81381, AI341231, AA530878, AI689725, AA151837, AA946804, AA134120, AW341621, AI934921, N39604, AI346463, AI700538, AI800293, AI360331, AI970112, AI074021, AI657070, AI341375, AI346086, AW439926, AA554441, AI143175, AI858285, BE463533, AI970138, BE620551, AI247326, BF724674, AA488191, AI123914, AI269680, AI263094, AI221209, AA804389, BF941489, AI951232, AW014925, AW965867, D80988, AA085654, AI336542, AA775418, H14630, D80822, BF224304, F21575, AI271932, BF314725, AA707276, H09632, AA860931,

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HCDDX81	337	603184	1 - 405	15 - 419	AI073641, AA505320, AI419468, AW972479, BG152620, BF674236, AI471102, AW370201, AL513631, AL514691, AL514473, AL513907, AL514627, AL514015, AL515195, AL513817, AL514791, AI434453, AL514919, AL513597, AL513779, AL514087, AL514357, AL513951, AL513643, AW087385, AL514409, AL513687, AV714274, AL515191, AV713662, AW264019, AL513553, AI473554, BF970652, BE966577, AL513999, AW089689, AI798351, AL515413, AI640729, AI345347, BE962580, AL513977, AI932794, BG036614, AW051088, BG107792, AI891084, BE886728, AL513913, AL514983, AI636183, BG121959, BG112718, AW021717, BE965014, AL513693, AW169604, AL513723, AI554821, AW151136, AI470293, AI473451, AW020397, AI637584, AL514063, AI612885, AI824648, AI569945, AI538850, BE963090, AI291601, AI698401, BE963872, AI866770, AL513781, AI539766, AI493567, AL514721, BG029086, AI432969, AI283941, AW088037, AL514025, AI343091, AI682903, AW827289, BG163618, AI287233, BG178911, BE875028, AI280607, BF814447, AL513979, BG109270, BE905335, BG180996, AI648508, AI889168, AW193872, AW104056, BG170937, AW020710, AI280655, BF680133, AL514205, BF870154, AW162194, AI677646, AW029401, AI800155, AI868204, AI800433, BE785868, N22276, BG179486, AI340511, BG167249, AA807088, AL120853, AW105601, BF970768, AI580674, AW080746, AI950688, AI670009, AI567612,

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HCDDY28	338	892137	1 - 1677	15 - 1691	BF666490, AW085990, AI581179, AA534294, AW806827, AA769374, AA631773, AI912207, AW935970, AW979039, AA828763, AW935894, BE148343, BE069848, AA584616, BE069211, N51865, AW081484, AA524188, AI018020, AA984031, AW379206, W44337, AW894331, AW970693, BE185900, AA092737, AL132656, AF130084, AL137013, AC011890, AL357153, AL109654, Z84720, Z83820, AL024458, AC007385, AC004385, AC006262, Z84470, AC011088, AC022215, AL358133, AC021019, AC002457, AL354985, AL050305, AL121984, AC005018, AL031183, AL161904, AC016612, AC025759, AC004690, AC006052, AL139279, AL137157, AL121975, AC006257, AC007785, AL137062, AC005040, AC002487, AL353745, AC006397, AL359641, AF130110, AC008014, AC003001,

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HCDEB19	339	587264	1 - 1730	15 - 1744	AL514734, AU142665, AL535830, BE901271, BE903175, AU120437, BE745673, BE795532, BE795184, BE745221, BE727680, BF794804, BE730409, BE732398, BF025900, BF027290, BE799396, BE743962, AW027553, BE798753, BE740212, BE733442, BF975742, BE540488, BE885500, BE727075, BF310011, BE746261, AI986029, BE892530, BE900484, BE384966, BE905355, BG180196, BE797952, AI190922, BF312819, BG178160, BE259775, BF310619, BE208484, BE780583, BE903260, BE384967, BE298635, BF220143, BF034689, BE743900, BE259144, BE294051, BE394021, BE791246, BF314306, BE790393, BF026612, BE312573, BE542030, BE264125, BF688258, BE902581, BF317175, BE729244, BE899198, AW245824, BE313447, AW247887, AW245997, BF979247, BE545951, AI033780, AW006028, AW247275, AA828077, BE385957, AV759626, BE539575, BE386645, AL514733, BE794463, BE266251, BF315082, BE895464, BE889944, BE265650, AW005004, BE253344, BE794395, AW732164, BF203705, AA405231, AU146503, AA599316, BF248034, BE206909, AW732138, BE298923, AI078327, AA974522, BE265711, AI096984, BE729152, BE206931, AA618545, BF210886, BF032880, AI421332, AW615453, AA406130, AI797688, AA679081, BE259175, AI672922, AW962954, BE281390, AW069473, BF032242, AI912279, BG259246, BE866821, AL525634, AW071217, AI183800, AA699445, AA694247, AA521388, BE465571, AA906726, AA947109, AI056607, AI140190, AA528097, AW245551, AW450841, AW951682, BE387507, AI084169, BE779392, AI049841, W05716,

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HCDEN46	340	838592	1 - 943	15 - 957	AL518664, AL516021, AL535549, AL518368, AL526977, AA703938, AL518844, AL513833, AA843139, AA704089, AA788949, AL527146, AU124946, BF526219, BF342016, BG114174, BG105559, AL048374, BF309406, AA780035, BE881426, AL514023, AU137486, BG034902, BF793412, BE892549, AI963623, AA652509, BE274650, AW192863, AI561195, AA553793, AI871988, BG110889, AI922743, BE744749, AI521675, BG026232, AW152414, BF338340, AI628240, AW157347, BE881433, AW117767, BG119170, BE277904, AI445463, AI922834, AV721543, AI888590, BG122177, AI925872, BG027060, AA669947, AW189999, AI924054, AI991215, AW069279, AA029381, AW193505, AI961523, AW470100, BG027573, BF970478, AA573199, AI814686, AI701093, AL047130, AI813871, BF969942, BE730489, AI922777, AW192523, BF525740, AW662405, AW069154, AW375580, BF977501, AA729727, AW515884, AI707709, BE350194, AW613129, AV722967, AW151868, AW166194, AI636319, BG028853, AA788696, AW078762, AU136708, AW087908, BE160876, AW029368, AW471411, AV704309, AW172970, AA670009, AW846347,

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HCDSE69	341	609997	1 - 1018	15 - 1032	<p>AW513872, BF893263, BF893276, BF347912, BF893278, BF893425, AW794915, BF893279, AU135014, BG007214, BF893260, AL354977, AL163208, AL023581, AC006203, AC004002, AL009031, U91322, AC003658, AL078612, AC002326, AP000494, AF222684, AC011484, AC006399, AL079305, AC004985, AC008154, AC018673, AP000263, AC018646, AC083861, AC078843, AP000036, AC006417, AP001713, AL117338, AC005181, AC026189, AC066587, AL121908, AL354977, AL354977, and AL354977.</p>
HCE1D45	342	664481	1 - 1376	15 - 1390	<p>BF969762, AL529165, BE265457, BF337158, BF058822, AI633731, AA742535, BF342162, AA928586, AW024580, AI031748, AA287493, AW139368, AW675464,</p>

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HCE1N56	343	821704	1 - 1576	15 - 1590	AA909025, AI076817, AA203708, AW663451, AI608904, AI861844, BF440055, AI288729, AI671662, AI935205, BF110149, AW072072, AI436671, AI627289, AA830822, AI167164, AI198462, AA991698, AA126915, AI074608, AA700379, AI568337, BF110703, AA235131, AI021942, AI066428, AI357329, AU155604, AW072939, BF907315, BE045440, BE843886, BE938415, R42843, BE550861, AA916762, AA535892, AI654152, H10211, AA128107, AA490610, AI816749, H58176, H08744, AI254711, AI470802, Z45596, AW296585, AA490802, AI276306, BE617926, AI141291, AA368724, AA932766, H58177, AI015137, BF095756, AI499453, BF092513, AA641458, H10265, AA234957, AI762281, H08456, Z41284, AI824738, AA731515, AA483839, BF095901, AA748701, AW602874, AI499455, BE962449, BE617485, AW804668, BE540522, BF907326, BF991348, BF095975, BE612997, AF002223, AK024745, AK001816, AJ224979, AF057354, AF125314, AF002223, AF002223, and AF002223.
HCE1T53	344	843680	1 - 1447	15 - 1461	AW965008, BG028665, AW962035, AI679294, AI679871, AA133332, BF673743, AI567674, AV733710, BF872337, AI204309, AW851828, AL048626, AA736713, BF679169, AV760364, AV759356, AA838140, AA812058, BE273825, BF915535, AI679782, AU118745, AV759711, AV722030, AV763135, AV762022, AV762900, AV763174, AV759683, AV762902, AV764389, AV759684, AV762779, AV761309, AV759686, BE676549, AV762001, AW102955, AW275432, AV759682, AV761762, AI859335, AW963982, AA629679, N23913, AW968156,

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HCE1Y27	345	637529	1 - 1637	15 - 1651	AW965673, AW157471, AW956883, AI381598, AI493694, AI369243, AV726370, T15557, AA351432, M79149, H07050, H11051, AA323916, AI628393, T33805, H11137, BG252632, T08617, H07049, AW161151, BF949143, AL036024, AB009288, AB008893, AL137688, AL050397, AL136295, AJ133798, AJ133809, AL136295, AL136295, and AL136295.
HCE1Y34	346	809084	1 - 1706	15 - 1720	AI753334, N66948, AV738383, AI688963, AL031717, AC022517, AC008066, AL080243, AC020552, AC000003, AC020917, AC004659, AC005089, AL133355, AC005197, AC004143, AL035685, AC005015, AC008395, AC004826, AL138735, AC004089, AC005081, AC024561, AC005924, AC005747, AC011510, AC005080, AC005158, AC009004, Z98044, AC008372, AL139109, AP000108, AP000040, AC004383, AP001746, AL118520, AL049569, AC004878, AL122020, AL132987, AC007850, AC004965, AP001715, AL161937, AC006001, AL137073, AC004967, AC004103, AL355392, AC003010, AC008403, AP001753, AL031717, AL031717, and AL031717.
HCE2B57	347	737997	1 - 1233	15 - 1247	AV760037, AC009861, AC009861, AC021072, AC068302, and AC068302.
HCE2E47	348	886155	1 - 1816	15 - 1830	AA830078, AA974503, AV720371, BF677892, AI284640, AA601218, AA581903, AW193265, AL138265, AL046409, AI281881, AF330238, BF668217, BF869074, AV740801, AI613280, AI963720, AL046205, AI431303, BE049099, AI334435, AW301350, AV760937, AW303196, AV710066, AI270117, BG171096, AI499938, BF797630, AV763354, AI345654, BG116267, BE138981,

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HCE2I23	349	571038	1 - 963	15 - 977	BF196041, AI191040, BE793278, AI561341, AU142866, AA207194, AA156216, AW246365, BE409896, AL517457, AA233562, AA448367, BE535295, AA186915, W31224, BE874462, AV710257, N88803, AW006906, AL353807, AK022879, U18321, and AL353807.
HCE2P90	350	737935	1 - 1879	15 - 1893	Z98257, AL137119, AP001709, AC004552, AC003002, AC008536, AP001712, AL157877, AL137141, AC007182, AC006120, AL035458, AL117186, AF011889, AL136296, AL163206, AL049872, Z98051, AL022578, AC020728, AL049569, AC002357, AC005859, AL163300, AC083871, AC010219, AC005993, AC005280, AC012085, AC006251, AC009311, AC002394, AP001715, AC002456, AC005484, AL163248, AL033529, AC005913, AL137230, AC006544, AC005823, Z93015, AL136968, AL139352, AL050318, AC005996, AC001228, AF196779, AC020750, AP000014, AC004616, AL080314, AF067844, AL355497, AL356414, AC008040, AC011890, AC009248, AC006543, AL121601, AC005015, AL121997, AL357519, AC006354, AC004973, AL360227, AL158040, AL163249, Z98946, AL133395, AF240628, AC005409, U78027, AL035422, AC005399, AC004386, AC006538, AC008123, AC004817, AP000704, AC008045, AC006480, AC002492, AL133445, AC005208, AL359272, AC005988, AP000563, AC016602, AF111167, AC018698, AC007298, AP001711, AL132659, AC004887, AL049538, AC005200, AP001695, AP001713, AC005386, AP001692, AP001728, AL109823, AC027319, AC002418, AC010134, AC007782, AF051934, AL136418, AC018755, AL136137, AP000133, AL121586, AF001905, AC008806, AC002558, AP001752, AL109825, AL136300, AC002466, AC007388, AL136097, AC006241, AF235098, AC008551, AC018738, AL121873, AC003101, AC004814, AP001435, U91327, AC016652, AL078594, U91328, AC005740, AL356782, AC005052, AC005972, AL136139, AC005358, AL391839, AC005534, AC007057, AF109907, AC005664, AL137073, AC010620, AC006236, AC024561, AL022318, AR036572, AC018719, AB020870, AL158830, AL035400, AL161731, AP000211, AC004582, AL050335, AC021016, AL035413, AC008543, AL121754, AL033527, AL022329, AL096701, AJ229042, AC006211, AP001753, AP001748, AC004858, AC004126,

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HCE3A54	351	603435	1 - 833	15 - 847	BE889496, AI681811, AP000713, and AP000831.
HCE3C46	352	737889	1 - 1216	15 - 1230	AV751000, AW816047, AA680243, AI732120, BF915799, AV756726, AV762975, BF736198, AW965008, AU159864, AL121235, BG260565, BE740358, AI734144, BF916691, AI061313, AW963982, AI358384, AI345157, AA584489, AI004591, AV740801, AW500029, BF724372, AW302315, AA653139, AW467286, AI635819, AL048626, AI583466, AW845366, AI753488, AV762129, AW505253, AU123691, AW970571, AI064864, AI732151, AL040054, AI566408, AI962030, AV762139, AW969629, AV760360, BE063437, AA665330, AA191418, AV764259, AA663201, BE796439, AW953071, AV763026, AV763058, AI040051, AI755214, AA394271, AA666332, AV762050, AI081147, BG109996, AU140403, Z69890, AP000359, AC007216, U95742, AC004882, AC005015, AL022318, AL031662, AC006117, AF196971, AL157938, AC006285, AC005387, AC010748, AC005512, AC011811, Z69917, AL121914, AC011484, AC004212, AL133551, AP001717, AC004673, AC005231, Z93017, AL050335, AL049569, AC011895, AL034420, AL162505, AP001725, Z83840, AC005412, AC020904, AP001748, AC007536, AC007666, AL354864, AC004824, AC008635, AL109976, AC004929, AL109758, AL136179, AC010605, AC005011, AL049760, AC008760, AC003982, AF111168, AC011465, AL034380, AC006337, AL133448, AC007388, AC004476, AC073651, AC010553, AC004686, AC002553, AL035400, AC004821, AL161781, Z98051, AC011475, AC022148, AP001753, AC005668, AF190464, AL353748, AC006132, AC006241, AL035587, AC005899, AL034555, AC018738, AL096840, AC005667, AL050318, AL133467, AC011479, AC007488, Z93930, AL136087, AL031729, AC011455, AF168787, AC004826, AL049694, Z95116, AC004854, AC002369, AL161670, AL049840, AC008764, AC011495, AC005971, AC005102, AC007739, AP002085, AC006023, AC000070, Z84480, AL050349, AC005736, Z85986, AL162430, AL158172, AP000503, AC004263, AC004841, AC005324, AL135744, AL022316, AL031289, AC010489, AC006468, AL049766, AC009123, AC004812, AL137009, AC004971, AC007052, AL021397, U85195, AC006480, AL354696, AL031311, AC011891,

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HCE3D89	354	648612	1 - 1086	15 - 1100	BF530321, AW292874, AI672562, AW451026, H40434, D59263, H43056, AI656677, H45987, H08731, AI937753, AI886920, H46052, AI571287, AI310275, H42581, AI217493, AA769776, Y15065, AL121827, and AL121827.
HCE3J43	355	766758	1 - 2115	15 - 2129	AL043989, AL040242, BG115000, BG257342, AL043986, W02321, AL043864, AL043987, AA843303, AI310234, AW149567, AW157054, AI819398, BE867600, AW844167, AW006386, AA446843, AL044036, AA029604, AA160953, AI818092, AA411394, AI198421, BF813609, AA161481, N57481, N31819, BF809635, BF925100, AA757583, AA661840, AL043988, BE703955, AI168438, AA250764, AA912010, H05196, AI814669, BF964959, AA620508, N73093, AI066444, AW872953, AA443489, AI376263, AW023823, AW896140, AI425107, AI300963, BE972848, N49254, AI601212, AA630586, N28306, AA506571, AI124653, AA112602, AA429479, AW264945, AA609853, H99492, AI926768, AA164233, AI582127, AA931685, AI003977, AA079478, AI358274, AI298999, BF756272, AA694585, AW628151, N49356, R85331, H41135, AI807111, AW966787, N47879, AI199639, AA483783, N42488, W76262, AI161173, AI471128, AA401215, R85332, AA317640, AI248287, R86697, F11365, H17546, H26132, T30230, F09026, BE081962, AA446842, BF061332, BE081414, AI077860, R94798, AA932883, W72550, BE702486, AI354651, BE702482, BE702531, AV746815, AA346797, AA093407, AA332334, AA191097, T07236, AA164232, AA910385, AW873957, AA436260, AA411118, AW965407, AA939016, BF949851, R09825, AA526511, AA622123, AA079477, AW352372, AA334182, AA602413, R12412, AW900315, BF741861, AI468908, BF956768, R86698, AA878221, BE830584, H05157, BF952324, BE378287, AI473543, AA004631, AA091999, D81325, Z38207, BF092434, AA004232, AA644131, AA331516, AI023515, N47626, BF529049, AW754285, AA657378, N51138, AW371021, AA247669, BF359495, BE671820, C00771, AI902484, BE077262, BF816186, AK025559, AB014511, AK026513, AL035684, AF086357, AL035684, AL035684, and AL035684.
HCE3L04	356	845973	1 - 695	15 - 709	BF948933.
HCE3N23	357	810211	1 - 3131	15 - 3145	AL534989, AL533583, N99340, AW952383, AL534990, BE891139, BF346819, BE743942, BF337706, BF345966, BF801834, AW895212, AW966677, W28619, AA653434, BE047099, AW952788, AI588963, BF507551, N36397,

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HCE3R01	358	834836	1 - 2732	15 - 2746	AU120092, AU122351, BE730090, BE730046, BE409812, AU125487, BE795821, BE907588, AU124507, AU134221, AU125043, BG109175, BE790652, BE741377, AW952376, BF034272, BE543185, BF527701, BE387222, AU123111, BE778205, BE897300, BE255798, BF669496, BF238361, BE908154, BG260909, BE302528, BF210739, BE787569, AI637884, AI609079, AA444144, BF034596, AI479902, BE538104, AA908903, AI890328, BF197657, N24415, BE767761, AI024556, BF027743, AA779473, AW382602, AI096983, AU159008, BE350656, BE153058, BF367967, BE079280, BF898004, AW269510, AA872834, BF845462, AI750816, AV709906, AW952225, AI246462, AA219698, BF367956, BE207428, BF448325, AA443962, AA886907, AA620680, BF953172, H99625, AW976325, BF367950, AA534848, R72501, BF953176, N20573, AW390543, AI081065, AA223806, AI348546, AI750817, AA224271, BE246657, N28964, BF856745, AA524451, W16458, BE730618, AA618583, BF094275, BF910969, H47155, AA322143, BE767995, AA326079, AA744727, BE768325, H12022, W96464, AA227383, AA323733, W96565, BE247324, BE244026, AI817484, BG003359, AA223720, AA171823, BF745890, R78871, AI423114, AA223696, R78963, R15041, AA744725, AA828394, AW805155, BF031023, AA598797, BE614309, R41479, BF531117, F21661, AA102045, BE246656, BF910354, AW794437, AA171698, AA780969, BE698804, Z41857, AA102764, BF745891, Z38156, R34590, BE831267, H11938, R34589, BF094294, AA553554, T08776, BE966500, BF368271, AA553564, BF745875, AA992721, AA780727, BF745877, BF999987, AW866680, AI277481, AW889189, BF953178, AF074606, AF140360, AK023890, AL137845, and AL137845.
HCE3R01	359	841472	1 - 2722	15 - 2736	AU120092, AU122351, BE730090, BE730046, BE409812, AU125487, BE795821, BE907588, AU124507, AU134221, AU125043, BG109175, BE790652, BE741377, AW952376, BF034272, BE543185, BF527701, BE387222, AU123111, BE778205, BE897300, BE255798, BF669496, BF238361, BE908154, BG260909, BE302528, BF210739, BE787569, AI637884, AI609079, AA444144, BF034596, AI479902, BE538104, AA908903, AI890328, BF197657, N24415, BE767761, AI024556, BF027743, AA779473, AW382602, AI096983, AU159008, BE350656, BE153058, BF367967, BE079280, BF898004, AW269510, AA872834, BF845462, AI750816, AV709906, AW952225, AI246462, AA219698, BF367956, BE207428, BF448325, AA443962, AA886907,

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HCE3R01	360	844574	1 - 2722	15 - 2736	AU120092, AU122351, BE730090, BE730046, BE409812, AU125487, BE795821, BE907588, AU124507, AU134221, AU125043, BG109175, BE790652, BE741377, AW952376, BF034272, BE543185, BF527701, BE387222, AU123111, BE778205, BE897300, BE255798, BF669496, BF238361, BE908154, BG260909, BE302528, BF210739, BE787569, AI637884, AI609079, AA444144, BF034596, AI479902, BE538104, AA908903, AI890328, BF197657, N24415, BE767761, AI024556, BF027743, AA779473, AW382602, AI096983, AU159008, BE350656, BE153058, BF367967, BE079280, BF898004, AW269510, AA872834, BF845462, AI750816, AV709906, AW952225, AI246462, AA219698, BF367956, BE207428, BF448325, AA443962, AA886907, AA620680, BF953172, H99625, AW976325, BF367950, AA534848, R72501, BF953176, N20573, AW390543, AI081065, AA223806, AI348546, AI750817, AA224271, BE246657, N28964, BF856745, AA524451, W16458, BE730618, AA618583, BF094275, BF910969, H47155, AA322143, BE767995, AA326079, AA744727, BE768325, H12022, W96464, AA227383, AA323733, W96565, BE247324, BE244026, AI817484, BG003359, AA223720, AA171823, BF745890, R78871, AI423114, AA223696, R78963, R15041, AA744725, AA828394, AW805155, AA598797, BE614309, R41479, BF531117, F21661, BF031023, AA102045, BE246656, BF910354, AW794437, AA171698, AA780969, BE698804, Z41857, AA102764, BF745891, Z38156, R34590, BE831267, H11938, R34589, BF094294, AA553554, T08776,

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HCE3R46	361	844450	1 - 2032	15 - 2046	AL519290, AL533566, AL515841, AL533565, AL518507, BE786283, BF796381, BE789948, BE894550, BG023950, BF974711, BF980376, BG176688, BF797260, BG256417, BG251518, BG117297, BE739732, BG034952, BG178736, BE397435, BE311957, BG110989, BE865449, AV710566, AI937192, AI992140, BG106973, BG034206, BF971870, BG256534, BE541348, AI924787, BF182770, BE543876, AW836476, BG177438, BE622551, BE397128, BF183961, BE777495, BE788503, BE748574, BG105315, BG031320, BE787440, BF972659, BE278877, BE891447, BE619355, BF184135, AL518506, BE280620, AI133232, BF210240, AV761560, BG025014, BE544842, BF666632, BF574847, AI917927, BF184564, BF028159, BF832502, BF672018, BE567184, BE896572, BF126162, BF670473, AW836533, BE263294, BE866141, BE782700, BF797499, BE885849, BF789937, BF679414, AV731004, BE968529, BG252668, BE542202, BF207936, BE968522, BF977557, BF126311, BE076579, AW842559, BF694334, AA150370, AW662270, AW749852, BE885354, BF574762, BF574389, BF694115, BE380057, BF212469, BE787832, AV722488, BF448701, BF672881, AW249958, BE748159, AV711426, BE549264, BE261139, AW572539, BF183899, BE960988, BF244215, BF574422, BF105168, BE788552, BF216922, AI817573, BF210143, AW965833, BF792550, BF184857, AW749851, BF184861, BF031875, AW754237, AI694726, AI457776, BE738952, BF979428, AI917937, BF031334, BE866154, AA887005, BE547840, AA865629, BF239845, AA488514, BF204630, BF574413, AA706657, AW805029, AA308188, BG054856, BG256896, BF246651, BF131533, BF029681, BF571765, BF196908, BF314807, AA488382, BF248180, BE567679, BF913851, AA165473, BF243825, BE158889, AV724848, BF126351, BE349461, BF184055, AW272837, BF185743, AV648985, AW574716, AW196993, AL515840, BE871168, AA207160, AL519289, BE870906, BE047291, AA625331, BF732912, BF669827, BF737448, BF819190, BE160569, AW440612, BE617635, AW298689, AI635826, BE295821, AW376046, AA843667, AI337859, AW073156, AI831352, BE869113, AI963742, BF196646, AI199088, AW402046, BF240249, AI432811, BF029790, BF211753, BF105073, BE563896, BE886188, AW953221, BE882637, BF693355, BF130771, BF207830, N21123, BF184735, BF196641, AI432806, AA946668, AI432815, BF445904,

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HCE4H32	362	843941	1 - 2622	15 - 2636	AU132591, AU131402, BE797146, AL529824, AV752367, BE744258, BG251515, BE541296, BE797178, AW016298, BF973997, BE612848, BE378238, BE844071, AA703908, BE142378, BF339536, AI309766, AI907887, BE719518, BE293040, AA628489, BF433680, BE844069, AA523381, AI720085, AW339312,

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HCE4H32	363	874256	1 - 2033	15 - 2047	BE797146, AV752367, BE744258, BG251515, BE541296, BE797178, AW016298,

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HCE4W88	365	792953	1 - 4137	15 - 4151	AL528195, AL525666, BE561329, AL525618, AL533675, AU122799, BE396417, AL538215, BE622485, BF525502, BE797957, BF526935, BF128797, BE410010, BG259064, BE729247, BG258461, BE617992, BE397711, BF342067, BE736157, BF690269, BE514054, BF338007, BE535322, BE249926, BE268424, BE297842, BE397898, BE621201, BE560728, BE293501, BG256686, AW964979, BE561480, BG119825, BE295501, BE383508, BG258291, BF791766, BE513943, BF313774, BE619367, BE536910, BF795823, BE315467, BG036329, BE146082, BE621718, BG248719, AW960305, BF027126, BE620026, BF313231, BE887172, BF312933, BE259638, AW246181, AW955146, BF339438, BE395079, AW249909, BF346929, BF664196, BE397835, BE146015, AW245414, AI829665, BE146141, BG029673, BE616157, BE616581, BE798449, AW733032, BE728258, BE275117, BE867135, BE397869, AU151030, BF796525, BE146201, BE397512, BG035310, AW001122, AI590065, BE621867, AU153438, AI460299, AA826661, AU150487, AI828673, AI361812, AU159576, AW955156, AI832806, BE280214, AW245773, AW152498, AA707667, BE616711, BE305063, AW961773, AI885306, BG034476, AA165702, BE146136, BF844568, AW001448, AL045127, BE146278, AW872952, AU150478, BE268522, AA054325, BF724500, BG033610, AW500798, AU148607, AI202047, BF315599, AI151144, BF304085, AU148297, BE856751, AU153957, BE675620, BG258407, BE616688, BE872804, AW833140, BE205993, AI889476, AA306032, AU159562, AA780357, BF829208, AI126768, AU159572, BE502091, BF525564, BG179503, AA541746, AI086400, BF026897, AW965703, AW519054, AI421313, AA699659, AA287268, BF743206, AW004927, AW068437, AI469708, AI334168, BF940144, AI185307, BE244163, AA588567, AW166139, AI524106,

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HCE5B62	366	566864	1 - 1700	15 - 1714	AL527073, AU121882, AU130725, AU118837, AV714931, AI054414, AU122155, BE908602, AU147226, BE075868, AL048969, AV719941, BE541237, AV734379, AW188427, AW600804, BG163541, AI732911, BF673854, BE076079, AA311156, AI791227, BE538259, AI816537, AV762220, BF031162, AU140403, AW961994, AL044339, BE207261, AW965008, AV699393, AI038990, AI457152, AW406447, AW089625, AV700663, BG258140, AI275631, AA224525, AI078409, AV737621, AV763135, AA134961, AW151713, BF836337, AU158684, AI732327, AI871940, BE740358, AA287618, AI951863, BF883751, AW820787, BE071877, BG056362, AV700113, AU158859, AA736713,

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HCE5H86	367	847032	1 - 2315	15 - 2329	AL533175, AL533335, AL529659, AL529660, AL528013, BF341088, BG032361, BG111586, BE735736, BF309824, AI452722, BE906705, BF976430, AW955455, BE837574, AI810976, BF663962, BE910075, AA887990, AV684580, BG120898, BE905601, AI190326, BE314426, AV691322, BG032936, AV685016, AI133427, AI491944, AA742707, AI745517, AA719399, AI291744, AI147212, AA971270, AA526699, AI374991, BF984742, BF914316, AI291429, AI681964, AI828575, AI191377, AA747482, AI760672, AI589781, AW973135, AI382209, AI291350, AI192912, AI653887, BF237786, AW054812, BF448406, AI076763, BE205789, AW194181, AI282167, BE144273, AW026209, AW005070, AI025483, AI479431, AI125991, AI819092, AW166142, AA393826, AI872247, AI950052, AW340398, AI186987, BE208340, AI038728, BF475933, AW001576, AI983727, BF343597, BE255716, AA781105, H14119, AA041546, AA446939, AA393844, AA588205, AA635803, AI588901, AA595299, AA968514, AI272049, T34621, AI445351, AA039492, AA580350, W42714, AI095816, AA350360, AI089055, R43919, AA308975, AI205639, R88071, AA635837, AI568018, AI261987, BF726607, AA224332, AI346541, BE548803, AA427787, AA618584, AI299347, H19688, N88546, T67080, H20066, T31859, AA308974, AA652370, AL134735, N95318, H19689, AW779512, R60201, AA536032, R88422, AI372759, BE140668, H19728, BE140651, AI690936, BE140664, BE140646, BE140650, BE140649, AA953968, AW576046, BF314488, AW952572, R88070, N75536, AW178914, AW578878, BG010735, AA328758, AA069325, AA532555, AA362297, AI669449, H52718, AW178907, R18809, BF932320, Z38557, AA069378, R60434, AW178908, AW178912, AA535292, BF971439, AV690032, T31898, BF871214, AI336808, AW175970, AW407842, AW178911, T31864, BF573284, BF846202, AA490233, BE394389, BF871342, T29995, AA223799, AA325909, W23910, AA425662,

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HCE5J64	368	688883	1 - 2193	15 - 2207	BE439889, Z98941, Z83822, AP000134, AP000212, AC004526, AP001714, AL031295, AC005972, AP001711, AC023425, AP001726, AL158193, AF003626, AP000104, AC004887, AP000251, AP000030, AC002350, AL357752, AC004913, AC007934, AP000696, Z84469, AC000125, AC006038, AC010209, AC005141, AC005141, AC005289, AC005289, AC005289, AC022529, AC022529, and AC022529.
HCEBF54	369	847033	1 - 1055	15 - 1069	BG250889, AL079457, BF109243, AI806945, AI808154, BE645557, AA553835, AI761617, AI650999, AI669726, BF060977, AW960843, AI922001, AI799329, AI380521, AI803917, AA666313, W57763, AW190282, AW518228, AA506687, BE326990, BF057689, AI638277, AA159323, AW052008, BF590389, AI269138, BE548921, AA635160, AW292076, AA322034, R76041, W57762, H19279, T79009, C02014, BE550018, R75868, BE834143, AW118383, BF222984, H19278, AI540255, AA321620, L44530, BE826118, F07530, AF207550, AB032993, AF274058, AF274057, AJ297364, AF207550, AF207550, and AF207550.
HCECO77	370	571044	1 - 1422	15 - 1436	BG259402, AA570389, BG034712, AW954950, AA628408, AI885041, BG257523, AA775796, AA143345, AA127723, AW268482, AA917093, AA776727, AA127867, AW083266, AA032244, AW269441, AI130939, AA476752, AI677906, AI091872, AI082240, AW005095, AA127715, AA476754, N59422, AA824233, AW028725, AW662782, W74250, AI858939, AI248997, AA031471, W89015, AA885202, AI168327, AI859188, AA703322, W67630, AI880820, AA694066, AI421683, AI749093, W89016, AA846347, AW016191, W86289, AA127770, AI140255, AI243503, AA972658, D11834, AA723187, AI184484, BG011082, AA927223, W46496, AA733122, AI281016, AA284435, BE930872, W67370, AW057998, AA285177, H30793, AI239862, N34810, AI910574, AA635592, AA378996, AA342789, W86333, AA033672, W85839, W79801, BE541384, AA459714, T48853, AI200290, AA047695, AA411477, D53212,

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HCEDH42	371	821321	1 - 1405	15 - 1419	BF824908, AV755215, AV757088, AV702854, BF131961, AA181890, AV756554, AL036773, AV757752, AI950092, AW134795, BE968824, BF131261, BF965460, AV702869, BF030662, AV723324, and BG258650.
HCEDJ05	372	634525	1 - 2382	15 - 2396	BF513463, AW961895, AW242701, AV747391, BE327669, AI521937, AI702979, AA010177, AV728027, AW612536, N48190, AW452686, AW236724, AW300759, AA010178, AI635174, AI290223, AA253377, AA253376, AW072756, D59335, H14430, AI400063, T08089, T08829, W28848, H17901, R17521, Z42567, T17071, AW051009, N53337, AA233935, R41888, F05685, AA234206, AI364135, BG058398, H14380, AC005075, AL133090, AC005075, AC005075, and AC005075.
HCEDJ26	373	840397	1 - 1970	15 - 1984	AV729407, BE890059, BG031202, AV717629, BG261253, BF244140, BF690756, BE541093, BE536531, BG111688, BF240321, AW955181, BF343156, AW751808, BE970213, BE739016, AW177060, BF817662, AW177038, BF945496, BF816815, AW177034, AW367257, BF817372, BF814733, BF817890, AW401519, BF570915, BF126398, BG112929, AI670857, BF698193, BF572943, AI928821, AA455678, AA603207, AU153486, BF574699, BE674105, AW177035, AW276608, AI497826, AL119809, AW014361, BE885237, AI262628, AI798945, BF342780, AW177054, AI005124, AW177025, AW177061, AV720711, C18646, AA580452, AI348052, AW177064, N30141, AW163009, AI753116, AW168115, AI014813, AI950818, AA916422, AI075709, AW177037, AW189526, AW518968, AW770107, AI801986, BF815949, N70212,

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HCEDN07	374	847034	1 - 1411	15 - 1425	<p>AL041375, BE677164, AI254267, BG152746, AL039117, AW021674, AW157128, AI690379, AL042667, AL042670, BE244308, AI114494, AW238712, AI038029, AW275432, AV683406, AA507623, AA489390, AU151751, AA618531, AA631915, AA313025, BF812696,</p>

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HCEDO17	375	824312	1 - 1939	15 - 1953	<p>AV729078, AU139282, BF677649, BE816900, AV752220, BF940984, AI741382, BF516241, BE218124, AI094578, BE220282, AI472019, AI579992, AW152516, AU153562, AI079363, AU137014, AA773075, H05544, AV725862, T66346, H61362, AI253254, R90842, R26105, AI267340, AW014803, T33182, AV752502, R39238, T33181, F12150, F13224, AA371406, F10825, AA593321, F09787, AV749459,</p>

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HCEEG48	376	896688	1 - 982	15 - 996	AW664013, AI809377, BF437280, BF476415, BF939178, BE910173, AI276041, AA323414, AW296883, BG170738, BG055229, AI798340, BF093872, AW973541, AV719822, AV700495, AV720211, AV718487, BE328291, AW966385, AV720104, AI560085, AA572987, AW471332, AI962030, BF725844, AI612070, AV719632, AA644090, AI565084, AI611533, AW962611, AL048290, AW328331, AV699866, AV719628, AW468009, AL040054, AI590906, AI311647, AI733085, AV720729, AA525331, AI791578, AW969743, AW274078, AA804995, AW958962, AW272294, AA225406, AA904211, AA483606, AI926728, AW468048, AA244339, AA570740, BF887154, AA579152, AV657198, AW664548, AA653477, BF991881, AA714011, AA502098, AV760014, AA832145, BF991882, AL034380, AC005098, AC004166, AL021878, AF243527, AL133174, AC007182, AL158823, AC004824, AL050307, AC009247, AL158040, Z81364, AC004867, AL049759, AC007546, AF131216, AC004878, AC002072, AL450224, AC005324, AL022238, AC006538, AL450226, AC006337, AC004033, AC007666, AL137039, AP000215, AP001724, AC004814, AC004890, AP001728, U91318, AC002470, AL008637, AC005837, AC006077, U52112, AC008521, AL157938, AL031669, AC002486, AC005071, AC005103, AF047825, AL078638, AP001760, AC020906, AC010102, AC010422, AC004966, AC008547, AC006057, AC010458, AC002477, AP001412, AC011442, AL008719, AC002310, AC005081, AC016395, AL008732, AC008745, AC005080, Z75888, AP000152, AC005500, AP001710, AL034417, AC011465, AL353777, AC008474, AL161445, AC006239, AC007957, AL132775, AC002425, AL133507, AC005520, AC007308, AC003982, AC007731, AC008623, AC005378, U91326, AC005229, AL356299, AC005189, L11910, Z86090, Z75887, AF196972, AL035420, AC004805, AL049694, AC005280, AF165926, AL049795, AC005971, AF196779, AP001751, AC005839, AC006511, AJ011930, AL121905, AL163300, AC011495, AC002316, AC011449, AL163279, AC009116, AL096840, Z84466,

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HCEEM33	377	821322	1 - 1151	15 - 1165	AI246710, BF968525, AI763071, BE674657, AA460540, BE328200, AI611086, AI168314, AA460541, BF507593, T16448, BF675159, T08984, AW451887, AI016123, AA668246, R60880, AA971942, R23514, AI223180, Z38546, BF590051, R43444, BE701712, AW182351, Z20913, AA972023, H24284, Z20948, AL137748, AB046764, Y18276, AF072371, AF072372, A74680, and A74602.
HCEEP16	378	668234	1 - 1367	15 - 1381	AC025882, and AC025882.
HCEER60	379	826016	1 - 761	15 - 775	BG055027, AW293944, AI863059, R43077, BE764482, AC015546, AC015546, AC015995, AC015995, AC015995, AC026166, AC026166, and AC026166.
HCEFA10	380	603966	1 - 1460	15 - 1474	AV653805, AI015945, AA226333, AA226332, AW809365, AW863010, AC011939, AC011939, and AC011939.
HCEFA50	381	695707	1 - 2086	15 - 2100	Z80232.
HCEFA94	382	822850	1 - 1593	15 - 1607	AW861577, AC005224, AC007225, AC002080, AF001549, AP001726, AC003664, AL078590, AC007688, AL160008, Z83822, AL137022, AL353140, AC004687, AC008569, AL390738, AC005277, AC002331, AP000696, AC021040, AC021040, AL355512, AL355512, and

					AL355512.
HCEFC27	383	637531	1 - 1418	15 - 1432	BG168988, AV724146, BG118424, BE895362, BF692320, AW953755, BG249338, BG030147, BG248933, BF691476, AV684186, BG249320, BG261317, BF213660, BE739426, BF978075, BF573311, BF131870, BE893387, BF542096, AA442051, BE739091, AV651541, BF211610, BG166211, AV722112, AL519881, BF978401, BE896902, AA224025, AW965954, AA126864, H84677, AW952958, AA298236, AL519882, AL533521, H84671, AV686149, N75151, R12040, H12268, AA354770, AA054028, BE897003, AA298279, AV688299, AV691722, AA343906, AA298252, AA737265, AW183455, AA258950, AV731122, AA371402, H85599, H80022, BG105124, BF130041, AW382546, H04048, H85055, Z44898, H84001, R34971, AI633856, H85049, Z40665, AI285531, AI129816, AW403608, AW341204, BE218132, AV713181, BF744929, AF121860, AC004540, AC074396, AC074396, AC074295, AC074295, and AC004540.
HCEFG93	384	745400	1 - 2266	15 - 2280	AW976010, AW965008, AW342042, AL041706, AL138455, BE061906, BF840676, AW406162, D82290, AW163293, AW574794, AL046205, AW419262, BF311000, AI697208, BE908796, AL135377, AW576391, AW518220, BG222267, BE049095, AI149478, AA720702, AL046898, BF592311, AA493708, AW270270, AI254615, BF592200, AI799642, AA533333, AL080243, AC005037, AC008403, AC004099, AC011442, AC004966, AL031985, AP001720, AC002365, AC010289, Z83840, AC007226, AL049709, AB023054, AC024561, AC005005, AC006211, AP001694, AL157372, AC005844, AL445248, AL499628, AL049795, AP000555, AC008969, AL354872, AC011484, AC004019, AC004867, AC006538, AL049712, AL160191, AC006965, L78833, AL049757, AC007707, AC025593, AL121983, AP001718, AC008115, AC007151, AL031295, AL035089, AC011299, AC008372, AC004382, AL354720, AC005041, AC006450, AC010792, AL031728, AC004913, AC004971, AL034402, Z81364, AL109825, AC011470, AC004638, AL031685, AC002316, AC003007, AL031311, AC011475, AC004712, AC004965, AF243527, AL391122, AC005304, AC011489, AL031848, AL117354, AL117258, AF001549, AL049776, AC000052, U95742, AC006057, AC008521, AL157938, AC004125, AL133551, AL034420, AC005520, AC005280, AL354864, AC018663, AC068799, AC005225, AC005409, AC008155, AC004531, AC007130, AC004895, AC008569,

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HCEF31	385	801890	1 - 2247	15 - 2261	BF435509, AW084003, BF475565, AW377101, AA526186, AA570505, BF060880, AW006250, AW007762, AI458032, AA149494, AI799666, AI084783, AI341557, BF436423, AI190971, AI377966, BG055129, AI085276, AI962810, AI972710, BE645786, AI380460, AW148913, AI123203, AW957523, AI122890, AW007426, AI863238, AA603986, AI921067, AI307748, AA149490, BE149118, AI280975, AI336463, W73495, BE149114, W73595, AI367500, AW149089, BE644890, AI814701, AW450642, AI766921, BF221807, AW572106, AW957522, AA235464, AI189309, BG055905, AW072576, AI129064, AA574230, AA292528, AI589229, AA650188, AW294024, AW512227, AI580733, AA037024, AI288103, AA877009, AI660255, F24537, AA578293, AA864573, AI274628, BE149130, AW188597, BF431012, AI572782, AA374109, BE149108, AI866359, T81066, AA558228, AW515493, AA621604, AI264439, AA658397, AI652870, AA573559, AA573997, AW970032, AI567038, Z39737,

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HCEFK56	386	872554	1 - 2441	15 - 2455	BE791339, BF525812, AU124328, BF343459, BE744925, BE794083, BE796625, BE798042, BE794017, BE792736, BE742390, AI147748, BF972245, BE278885, BG121682, BG253456, BF568588, AW850568, AI589755, BF310711, BE387426, AL046509, BE745709, BG029590, BE799399, AU121715, AL040296, BE250502, BF309371, BF311179, AI418510, BE888153, AW338127, BE893180, AW131159, BE612864, BE208579, AI815104, AU125380, BE715168, AI564718, AI563906, BF316494, BE882296, BE715158, AW843380, AA653737, AI936788, BE894307, BE613415, BE253341, AA600767, BE677325, AW274597, AW615467, AA600948, AW771373, BE314842, AI870268, BE882659, AI874350, BE260241, AW129455, BE254751, BE783966, AI610849, AW340587, AA522676, BF568759, BF313854, AL038797, AW376956, AI680464, AW072673, AI205066, AI499142, BF568990, AI003723, BE250609, BF943038, AI745360, AW752764, BF943043, BE743857, AW029634, AW084040, BF943623, AI281636, AA524906, AW381244, BG250768, AW381240, BF342573, AU159368, AA838045, AA683023, BE206130, W73217, BF568683, AI005092, AA576778, AW246643, AI925249, AI377814, AA815384, W73166, AA769793, AI292057, AW381234, AL039311, AW576137, AW580192, W73091, AW376908, BG165984, AI095879, AI051756, AI206518, AA825277, AL516396, AI074283, W73196, AW589561, AW675568, AI244613, AI084900, AW338159, AA977786, AI078255, BF954536, AI087416, AU141652, AW606656, AI601219, AI301677, AU158398, AA679619, AA507886, AA985094, AA488221, AI343546, AA931172, BE709999, AI338506, N36827, BE931567, AW246410, AU149052, AA280799, AL038796, BF945114, AA932246, BG107825, AU159158, AI000222, AA488168, C16663, BF950521, AA776509, BF308196, T03496, AW381239, AI769903, AW374977, AW014805, H41230, BF933731, BE830288, AI016422, AA349348, AW879684, AA633672, AW374899, AA628240, AI621099, C15751, AW374866, T03644, AW374870, AW374981, AW374879, T15403, AW374976, AW798077, AU140242, AU141945, AA349421, AA932451, AW374973, W47057, W81573, AW374980, AA351249, H42660, AV743791, BE938495, H61293, AI244619, AW062447, C15749,

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HCEFN51	387	839253	1 - 625	15 - 639	AI697032, AI745622, AA639842, AU150480, AU150887, BG057255, BE739736, AU145421, BF589233, AU158260, AU145822, AU154044, AU157522, AA563778, AV723122, AA171848, D51180, AI745549, N63431, AW058216, AI678079, AU153350, AA132245, AI280725, BF374111, BF752185, AW058215, AL523915, AA878392, N48575, AI376853, AW512818, AI298626, AI050805, AI245996, AA053879, AA581447, AI028093, H04515, AI301863, N40670, AU156463, AI814060, BG169761, AA164541, AI343901, AU158157, BF247552, AI355527, AI348557, AU154940, N62949, AU156038, N95738, AI272731, AI242274, AA364656, AI002560, AU156320, AA053119, BF103909, AW015971, AA961881, AW072950, AA282247, AI935814, W31388, BF028095, N26394, AA977726, AA053398, AW947142, BF358840, BE148235, AI077493, W32877, AA844000, AA814057, R74095, AA327358, AI240921, AI612988, R74466, AI520794, R78205, BE960620, AA507784, R42470, R63713, AW814449, AA631643, AI124074, AI475358, BF366272, BE246054, H06059, R73574, D61045, AA852837, AA886555, H02644, AA729401, AA503311, AA844287, AI351948, AA503146, AA361665, H26474, R45982, D78929, AA319371, AI802519, AW079003, R80545, AA352853, BF058928, AA889463, R74096, R27604, AA452816, H02564, BF356447, AI374645, R27779, R43484, AW891851, BE876985, H13158, BE885889, BF035631, AV715056, R77029, AV727801, AI361195, AV715865, AU154182, AI908442, C16830, BF333823, AI867588, BF333776, BE178546, AI347572, BF241119, C04053, BF914408, AV717666, AA904729, BF890782, D63285, D25782, D79080, BF360128, R27866, BF333822, BF754876, AA053032, BE568370, BE001183,

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HCEGG08	388	844506	1 - 2520	15 - 2534	BF347820, BF340446, BE963976, AV706183, AV702427, AV728270, AV707783, AV706724, BE619195, BF436323, AV725927, AV706746, AV726505, AV658362, AV701611, AV704592, AV723449, AV730781, AV727932, AV732149, AV730288, AV704974, AV751921, AV659189, AV731313, AV752043, AV753374, AV731744, AV725369, AV731708, AA910649, AV702637, AV730547, AV761002, AV760693, AV731977, AV732002, AV731043, AV746276, AV731694, AV726674, AV730711, AV702798, AV662191, AV729983, AV731759, AV752443, AV751555, AV710938, AV731275, AV751573, AV732653, AV730171, AV701237, AV732353, AV730165, AV732155, AI815089, AV757088, AV710534, AV701320, AV730816, AV704916, AV731915, AV656240, AV707088, AV733303, AV756895, AV757887, AV705020, AV756053, AV755874, AV752447, AV758481, AV726067, AV705263, AV711496, AV711240, AV732089, AV710417, AV745906, AV711274, AV732746, AV702869, AV647654, AV728872, AV745415, AA701287, AV758003, AV706104, AV707117, AV727103, AV652156, AV758133, AV710825, AV711567, AV702409, AV763440, AV757553, AV710495, AV723452, AV761270, AV710375, AV728777, AV727189, AV702354, AV707171, AV729129, AV702498, AV714368, AV707686, AV763171, AV702787, AV755473, AV752684, AV709897, AV721645, AV710562, AV710906, AV746382, AV706357, AV707882, AV710935, AV687176, AV755714, H17354, AV725387, AV705234, AV705280, AV725386, AV706035, AV705047, AV757171, AV763669, AV727355, AI338026, AV704611, AV730778, AV709407, AV707685, AV704116, AV752993, AV732200, AV703012, AV730859, AV646736, AV724987, AA725780, AV702581, AV756386, AV757864, AV704924, AV701783, AV728715, AV703417, AV755335, AV701728, AV693117, AV757686, AV757281, AV702671, AV729357, AV702954, AV721318, AV728455, AV730456, AV295635, AV707589, AV709935, AV730866,

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HCEGH74	389	847036	1 - 1110	15 - 1124	<p>BE300065, BF337089, AW161800, AI475535, AA074357, AI146283, AI242025, AI935912, AI278474, AW302581, AI032317, AI198172, W68501, BE299966, AI264644, AA833948, W68385, BF838942, H18424, N74089, R99449, AV735318, AV744484, R99350, AA780255, AA350516, AV740970, AV742609, H72031, AI014800, BE937721, H09684, AA774896, H18532, AC003665, AB018318, and AC003665.</p>
HCEGK81	390	844452	1 - 1772	15 - 1786	<p>AA443751, BE891080, AA476802, BF115025, AA613973, AI363116, AI796565, AV762162,</p>

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HCEGS49	391	846298	1 - 1674	15 - 1688	BF106368, BG249643, AL046409, AI334443, BF677892, AW303196, AI284640, BF241967, AW301350, BF668217, AV710066, AV761362, AW965008, AV763971, AV762098, AF330238, AW410400, AW274349, AW574794, AV763354, AW833862, AV760937, AI431303, AI281881, AI345654, BE150580, AA720702, AI270117, BE160727, AV735495, AW193265, BF915722, AV735370, AV728425, AW500125, BG059450, AV740801, AI457397, AA610491, AV760777, AW419262, AW028429, AV725423, AL138455, AV742057, AA587604, AL046205, AV761489, BF915247, AI754955, AV733830, AL119691, AW953071, AV759362, BF991286, AU147104, AW518220, AV762111, AW438643, AW502975, AW872676, AV764578, AW503666, AW265393, AI149478, AV757607, AW072923, AV725431, AV763255, AI289067, AW576391, AW021583, AI307201, AI679782, AV762395, AL041706, AL134972, AW265385, AV734666, AV761786, AV764241,

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HCEGU75	392	658670	1 - 1473	15 - 1487	BF981660, BF685192, BF038648, BF342088, AI684664, BE904021, AW246657, BE786013, AI819396, AW474451, BE790337, BF515606, AI224933, BE502853, AA857894, BF590803, AI017549, BE551214, AI769337, BE671006, BF431266, BE300752, AI017976, AW190690, AA603749, AI354360, H06972, AI498969, AA460347, N57956, AA642968, AA401323, AA024573, N94972, AA729823, AA411548, AA758511, AA460776, BG118868, AW246414, AA024574, AI927462, W78041, AA403032, AW117427, AI198324, AA972802, AW161307, AA888960, R15775, D20809, AV704595, AA603748, T09106,

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HCEGY33	393	753258	1 - 2820	15 - 2834	AW963205, BF917453, BE612506, BE731477, AW451370, AW590085, AW880898, BE719911, AI247379, AW130783, BG008769, AA586964, AA661730, BF873263, BF839698, AA004314, AI284019, AA005185, AI814296, AI167258, AA291625, T49401, BF858728, AW401819, AA464255, AA464366, AA291884, AI671218, BG253747, AA972019, AA064655, AI952828, AW085950, AA936070, AI962679, BF992732, BE720046, AA344667, AW848218, AA064696, AW418763, AI200859, BE836273, BF871596, BE409996, AI700087, BF900628, AW196489, AV716506, AL524561, AW945539, BF347269, AW959837, AV734888, BF037819, BF526883, AI567290, BG110768, R81679, AA592992, BF925395, AA554697, BE879516, AI200928, BF766846, AW117882, BE966968, R13577, R18714, AW089457, AF068706, AB015318, AF068707, Z98036, I32738, AP001623, AC007748, AC006994, AP001746, AC006501, AK024978, AC007907, AC004383, AL354776, AC002471, AC005374, AL031984, AC007383, AP000697, AC004883, AC004213, AL035587, AF307337, AC006039, AC023880, AP001726, AL136984, AL022721, AC005094, AC007597, AC011484, Z82206, AL357497, AC009721, AC004987, AL035458, AL138976, AL049557, AC012502, AL136137, AL031732, AC004837, AC006197, AL163282, AL137479, AL133325, AC005291, AF095901, AC006222, A57389, AC016816, AL133353, AC007172, AP000030, AK027260, AL137716, AF130054, AC016652, AC022402, AL121585, AC010202, AC004690, AL121952, AC010605, AC005091, AP000130, AP000208, AC004971, AL031346, AP001346, AC005224, AP000247, AK025573, AL137495, AC008812, AP001731, AC002472, AC069298, AC009953, AC005156, AC005488, AL163152, U62317, AL136979, AL138688, AC005280, AL080060, AC024247, AC004686, AL355365, AL161757, AF168787, AC005815, AL355103, AC007458, AC009087, AL359620, AP000211, AC017015, AL159988, AL121997, AF042090, AL031281, AL157433, AP000020, AC020956, AL035413, AL136170, AC018639, AL139099, AC005231, AC004878, AL031274, AC006451, AL135999, AL135999, and AC012505.

HCEHW24	394	560610	1 - 1366	15 - 1380	AA847499, T11828, AW062724, AC005324, AL391839, AC003010, AC004263, AL133246, AL035249, AX039602, AF207550, AC020954, AC003070, AC007041, AF168787, AL035587, Z97056, AC006023, AL136137, AC007566, AC004840, AC005081, AC007787, AC010328, AC002477, AL162615, AC027319, AC004846, Z85987, AC009509, AL135960, AJ131016, AP001753, AF001549, AL133153, AC006088, AC006211, AC005015, AC004491, AC004089, AL031311, AC005175, AC068799, AL138976, AF067844, AL078581, AC007850, AL021939, AL136179, AL121891, AL135749, AL133448, AC007957, AC020663, AL353807, AC005800, AC010458, AC002504, AC008115, AC000118, AC010463, AX008040, AL008730, AC018662, AF031078, AL109823, AF224669, Z95114, AF030876, AC011475, AC018663, AC008764, AC011500, AL445490, AC010432, AL031588, U52111, Z97196, AP000356, Z93023, AL356280, Z83826, AC020956, AC008812, AC084732, AC005057, AF003627, AC011455, AC022407, AC004605, AC004913, AL031282, AL022326, AP000556, AC005190, AL445483, AP001694, U62293, AC020913, AL109935, AC007565, AL354696, AC005041, AL009181, AC005330, AL078638, AF111168, AC004824, AC012202, AC012202, AC012202, AC025019, and AC025019.
HCEJL08	395	722208	1 - 1126	15 - 1140	AL527480, AL527481, AL521426, AI355489, AI936077, AW162159, AI992024, AI992035, AW009318, BE621575, AW513731, AI097445, AA830280, AA041521, AI929787, AW161814, AA782569, AA039877, AW628361, AA563799, BF115455, AA805462, AI768995, AI452741, AI015937, BF686820, AA640384, BG032238, AA747424, AI089546, R54817, BF437102, AI349097, W42741, BE867543, AA568556, AA548299, BE835642, Z25286, BE621161, BF125624, AA650054, AA464991, Z41547, AW951412, AA455272, AI760259, BF345425, W42831, AW161356, BE784283, AA583980, R46273, AW160612, AA459546, BF112102, AI909781, U52112, and X92475.
HCEJP93	396	637533	1 - 1291	15 - 1305	AI074464, AI656404, AI796524, AA806550, AI090821, AW300816, AW262224, N51251, AL042559, W69456, AW444788, AI097178, W69540, N27878, AI285226, AW964028, N21047, AA563599, AW965979, AI262376, AI264510, H29498, AA457464, AV657126, AI335865, AI686402, H29497, BF513275, AA363401, BE163821, AA377712, AW021614, T60994, R86154, AI056889, AA626081, AA862613, AI394148, AI127181, AA677656, AW135256, R91922, AL137269,

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HCELB04	397	847375	1 - 1948	15 - 1962	BF348160, BE382625, BF530813, BF338436, AV723661, BG027810, AI479999, AI951971, AI955335, AI955123, AW956874, BF725228, AI497764, BG054845, AA189083, AI613257, AW952819, AA653557, AI199188, AI193968, AI140992, AA782167, BE394876, AI445072, AA025786, R87257, AW006031, AA706472, BE702975, AI969168, AA723849, AI754329, AI202756, R86700, AA961048, AI150885, BF949269, AW191855, BF923546, AI969180, AA984342, AA325050, AW297321, W21902, AI815443, AW959974, BF951546, AA776848, R40218, AV721307, H20500, R86699, AA862473, H22648, AI423637, AA862422, W24198, AI097422, C15985, M78789, AA025946, AI214421, AI887133, R16294, BF530231, BF593846, AA757461, C14721, N79048, BF527141, H49989, R87284, AA340225, AW594091, AA191185, BF345519, H20588, R84721, R87537, AI468081, H52033, R89691, T08476, R84555, AA351651, BF061055, AW352208, AA923106, AA916155, BF529914, H50032, BF348659, BF839381, BF363000, BF948630, AA716280, H50278, AI907774, BF530634, AW904900, AW904916, BE702676, AV721824, BF345386, BF525613, BE703759, BF945244, BF839385, H51935, AI951900, AW163765, AA348775, BF347514, AJ243653, AB040056, AL049829, AJ243122, AB012808, AL049829, and AL049829.
HCEMA08	398	846468	1 - 1866	15 - 1880	AU117578, BE747272, BF975570, BF982819, BE791051, BE740691, AL534023, BF663926, BE779854, BF568722, BF967781, AL534024, BE258824, BE253195, BE888979, BE883871, BE252033, BE778582, AV751824, BE868436, BF683473, BG036978, BE263408, BF307358, AI804750, BE392981, BE779716, BE298007, AU145608, AI146343, BG000903, AW027129, BF971699, BF973051, AU144804, AI813831, AU144372, AI690884, BE395342, BE786397, AI090031, AW268818, BE857063, BF237544, BF237818, AA478533, AL531481, BE296783, AI378303, BF894721, AA594858, AU159188, BE256127, AA147836, BG054746, AW249985, BF973936, AA478532, AW029434, AW080150, AI340193, AI720024, AI217899, AI457563, BF753083, AW003638, AA722532, AV702271, BF683480, AW327927, AI720741, AI052193, AW152636, AI452498, AA252800, BE279835, AA772707, AA315596, W86492, AI086888, AI360383, AI470090, BE895081, F25095, AW517403, BE268236, AA927369, W45522, AA779833, BG026493, AA603343,

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HCENN67	399	563013	1 - 864	15 - 878	AU145402, H17256, AI341067, AW294404, BF593070, R45451, AA348746, AA324600, Z40844, AW295349, AC010285, AK021734, AC010285, AC010285, AC010285, AC010313, AC010313, AC010313, AC008393, and AC008393.
HCENQ22	400	740746	1 - 2306	15 - 2320	AW962038, AA324687, BE781669, BF690906, N40739, AA460569, BE904974, BF851236, BE567327, BE567085, AV714149, AA325155, BF694328, AL529245, BE879682, BF211500, BF103549, BE565626, BE886046, BF211073, BF184621, BF669008, W47186, BF668915, BF574941, BF530881, BF239234, BF212797, BF672085, BE865942, BE565391, BF693944, BF027765, BF208449, W37976, BF208334, BF217631, BF851329, BF029660, BF208304, BF028978, BF240004, AA173470, AA304600, BF758968, BF677397, BF754702, BF754843, AW934764, BF695321, AW605000, AA026906, BF696911, BE926436, AI358712, AI310670, AI349130, AW964149, AA378474, AA878407, AI445373, AI284543, AA365980, BE064625, AL039761, BF884277, AW069227,

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HCEOF01	401	564906	1 - 1655	15 - 1669	AV726134, AA325229, BF977071, AA778962, N70449, AC034194, AF001549, AL133163, AC002470, AC011465, AC007055, AL138836, Z93015, AC004706, AC004859, AL355103, AC004983, AL354696, AC005015, AC009509, AC010180, AL109806, AL353807, AL049712, AC009470, AC004938, AL136418, and AC026531.
HCEOF01	402	850521	1 - 1654	15 - 1668	AV726134, AA325229, BF977071, AA778962, N70449, AC034194, AF001549, AL133163, AC002470, AC011465, AC007055, AL138836, Z93015, AC004706, AC004859, AL355103, AC004983, AL354696, AC005015, AC009509, AC010180, AL109806, AL353807, AL049712, AC009470, AC004938, AL136418, and AL049870.
HCEON94	403	564499	1 - 1663	15 - 1677	BE742775, AL044019, AW952366, AW340380, AA480854, AW298704, AW418740, R41364, AW262876, AI023107, AW055272, AW297615, AI204661, AA766698, W94660, W95988, AI499394, AA741198, AA505067, AA505069, AA708430, AA747662, AI431749, AA262201,

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HCEOQ67	404	847376	1 - 978	15 - 992	BF924585, AA599588, BE551908, AI928667, AW072118, M62123, BF732440, AI695915, AW103699, AA587443, AA838643, AI568575, AI719748, AI383025, AW015272, AI671213, AI743346, AI016931, BG120492, AI453087, AI031615, AI453117, AI475936, BE205855, BF060775, BG256207, AW410122, AW467727, AI560788, BF688224, N81142, W81199, AA993521, AW467734, AI093103, W47384, AA931596, AU153140, AU151575, AI924504, BE019156, AI434053, AI825423, AI961070, AI341081, W95376, AA923443, AI985976, AA461327, AI359697, W02798, AW304384, AI146961, AW044594, AU150880, AI633812, AA502297, AW337670, W02155, AA078409, AI458249, AA922965, W86008, AA627613, AA903555, AI621100, AI928669, AW025677, AI864978, BF059111, BG057003, AI364353, AI500694, AW196325, AI814950, AW470573, AI001102, AI085505, AW439650, BG152409, AI682728, AI087087, AI656126, AW594745, AI283991, AW016765, AI950808, AA564373, AI208904, AI568845, AI081938, BF059185, AI088922, AW771707, BF194723, BF434688, AA728777, AI218944, AI223266, AA927034, BF588496, W68528, BE207810, AI141855, BE206671, AI150235, BE208344, AW055162, AI090054, AI937569, BE207928, AA040756, AW006227, AI656603, AW196605, AI341863, AI568493, BF477495, AI961854, BF058272, W70220, AA157956, AW268529, AI401541, AW515364, BF062948, AI493672, AI627739, AI500381, AI566221, AI369291, AI924761, AU153556, AI375605, AI339462, AU152928, BF940692, AU153049, AA554629, AU151821, AU150768, AU153492, AU145184, AA479921, AU150777, AW168964, AI362260, AA677779, AA450215, BE300843, BF223056, AA908886, BF969514, AI336276, AI187107, AI654701, AI857647, AI885355, AI933222, AW300302, AI857443, AI922508, AW150618, AI650618, AI887035, AI950232, AI885669, AI968376, AW466335, AI880115,

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HCEOV48	405	850681	1 - 2136	15 - 2150	AL514028, AL514027, BE394233, BF309286, AI937145, BF341063, AW007832, BF996163, BE090095, BF056466, BE855995, BF995041, AW300812, BF516522, BF750858, AI982559, BF341846, BF057637, BF446278, AW664488, BF750864, N70144, AI026694, AL042399, BF062178, AL042400, AI189816, AA325825, AI824290, AI125510, BF229962, AI560393, AI206451, BF939187, BF062533, N62429, AI203493, T48622, AW196328, BF091634, BE856501, T35041, BF091588, AI204132, AI024408, BF431830, Z39476, BF991680, R33737, AA367854, AL537669, AI198470, BF920850, R78066, T19189, T53308, T40614, Z43405, AI968937, T35073, R77096, R62691, AI654947, AW138553, AW241489, T53584, AW138527, T19258, R78103, AI887002, AA336184, R77732, AI589930, AI468224, R23638, BG015036, T48621, BG003031, BE327016, T53583, AA774524, AI452920, T39478, BF752954, R76920, BG013571, N98321, BG008889, BG004892, R33625, BG008197, AW059861, T53307, AI024102, BF878013, BF369604, AA338469, D45642, AI864438, BF818770, BG015443, and BE930306.
HCEPC90	406	603920	1 - 925	15 - 939	AA326082, AW795792, and AC005998.
HCEPO08	407	637543	1 - 627	15 - 641	BF685565, BE783924, BF795649, BF797231, BG255701, BF794749, BF972383, BE561381, AV701756, BG107282, BG024572, BE549221, AA627065, BE733310, BG108969, BE561690, AI080313, BE902836, AI018613, BF304765, AV705395, BE542329, BE871863, BE280103, BF310063, BF214902, BE785643, BF968623, BE788595, BE314127, BG104579, BE878379, BE787417, BE279325, BF796795, BE788379, BE394014, BG105363, BF035192, AA961761, AW165990, BE885093, BG254065, AI885563, BE275447, BG257554, BF795853, BF205012, AA988312, BF132360, BE274628, BE539632, BE617383, BE736770, BF965517, BF691529, BE547772, AA631032, AA602294, AI609105, BF972384, BE545190, BE395094, BE616187, BG117041, AW512920, AI719468, BF984424, AA908356, AA402377, AI829837, BF663878, BE881705, AI889414, BG253900, BG251311, AA629021, AI986258, BG029929, BE538992, AA572842, BE264730, BE547568, BE884722, AW406082, AA186941, BE385140, BF307769, BE389930, BE787241, AI015410, N58347, AI075354, BE619008, BF309970, AW182898, AA845648, BE900505, BF665710, BE300040, BE277825, BF340887,

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HCEB03	408	812940	1 - 869	15 - 883	BF849846, AA618621, AU121250, AA343606, AV756290, AL118520, AC005231, AC018720, AL035422, AC002044, AL096767, AL080243, AL353701, and AF196779.
HCEB44	409	584776	1 - 1336	15 - 1350	AV707938, BE503286, AI857703, AI085937, BF438032, AI953799, AW241829, BF447799, AI978965, AW166960, AI760157, AI924350, AI810971, AA994101, AA827889, AI091616, AI333056, AI373582, AA679949, AI370856, AW274961, AI467794, AI708570,

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HCETE08	410	731957	1 - 2527	15 - 2541	U55983, AI954656, BF665090, AW903271, BF669966, R52418, T80579, R55282, AW960629, R38876, AA335583, AI572697, R34439, D59517, H44210, H46413, R55283, R48973, D59516, AA336116, H44211, AC006211, U67137, AC006211, AC006211, AC006211, AC037483, AC037483, AC037483, AP001495, and AP001495.
HCETL19	411	702090	1 - 633	15 - 647	AI091683, BF727420, AA985070, BF340632, AA427714, AA069839, AV723640, BF963599, AA363895, AV722994, AA808909, AA461161, AA373636, AA708272, AW504640, T49723, BE676520, AI741024, AA465600, R93909, AA507926, AI079211, BE160639, BE064019, BE160666, R57401, AI371162, AL041488, AA772777, AI814562, AA609811, AW167442, H89972, AA465244, AA609804, AI031714, BE855522, AW997706, BE221572, AI791716, AI791854, AI821623, AW880928, AW997710, AI568377, AI356504, AA504793, AA983155, BE160661, BF928366, AA364639, BE168258, AA633422, AI751587, AA452503, BE083045, BE083046, AU147446, AI565122, AW410028, BF939721, BF830473, BE537605, AW997713, N26300, BE160640, AL527697, AW562332, BE562112, BF796239, BF947338, AV649278, AI951746, AA262431, AW880945, AI762794, AA740152, AU123401, AA158019, BE149833, BE349054, AW896057, AW896063, T05702, BE181514, N24969, AA730994, AI760380, BE784550, AW664234, H91949, BF763561, AI792459, AI792502, BF762390, AL080024, BE857554, R34101, BE064136, AI254995, AA720651, AW817786, AA866062, AW862790, BF881974, BF881979, BF881908, AI094842, H80803, AI025243, AW844592, AV764658, AA493196, AA808903, W84646, W95312, BE247667, BF881967, AW835723, BF940089, BF947438, R77370, AA490126, AI122688, AV739570, AW835647, AW867488, BE160656, BG112383, BE006309, BG260934, BF684251, BE077861, BE778292, AA320090, BF684025, BF874621, AW855010, H77950, BF685956, H66830, BE542196, BE146637, BF955461, AA069789, BE671477, AA714126, BE160608, AL096840, U80459, AC005837, AL158141, AL355392,

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HCEWD90	412	771629	1 - 1189	15 - 1203	BG109308, BE541492, BF435034, BE551413, AW014755, AW410604, AI829941, AW612659, AI338035, AW015060, AA858275, BG166761, AW195926, AA918404, BE673184, AW263625, AA975221, AA045183, AI309994, AI338145, AA706998, AW572221, AI298073, AA045545, AW085640, AW242570, AA045348, AW295083, BE220210, N95565, AI989731, AI825860, BF347431, AW271754, N58893, N95457, AA905631, BE669667, R68876, AW085114, AI910563, W25196, AW197805, BE799348, AI696516, AW951958, R82976, AA302718, BE513245, AI586985, H90393, H90444, AA316015, AI796963, R68779, T10712, AI243987, AI687514, AA056939, BF769731, AW170418, AL133646, AL117510, AB033095, AL121907, AF205780, AF205779, AF205778, AL121907, AL121907, AL121907, AL353658, AL353658, AL353658, AL353715, AL353715, and AL353715.
HCEWE62	413	692350	1 - 1547	15 - 1561	AA069447, BF930342, AA069484, AV702147, and AC002525.
HCEZW14	414	745401	1 - 2057	15 - 2071	AV647377, AV647331, BF223007, BF833783, BF925613, BF833785, H71242, AA677934, AI080992, W22152, AV646033, F23202, AA320693, T79025, BF359824, BF359815, AV646032, BF874443, and AW880874.
HCFAT42	415	815652	1 - 976	15 - 990	AV708704, AV656283, BE875916, AV716281, AV705637, BE877525, AA715811, BE880735, AL048390, AV703501, AL120007, AV703762, AV728391, AA594970, AV727032, AA548245, AV701468, BE895614, AL525022, AI557258, AA113852, AI254237, AA548842, AA593688, AA582965, AV712494, AA192940, AA081113, AA579760, AV703229, AV702794, AI133013, AI285534, AA578519, AA182864, AA576543, BE877173, AA595314, AA156029, AA180754, AA576122, AA489339, AA581699, AA192909, AA197304, AV713558, AV757599, AV660440, AA194621, AA583435, AV716470, AA196541, AV703819, AA598446, AA643267, AA578591, AA639334, BE875280, AA164582, AA085824, AA575830, AA583266, AV653962, AA548197, AA195996, AA563780, AA583348, AV703494, AI285364, AA180287, AA526496, AI110815, AA196392, AI566162, AV727881, BE877389, AA554729,

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HCFAT66	416	821337	1 - 1766	15 - 1780	AI923052, AW973992, AW976024, AA579179, AW237905, AI733856, AW513870, AI963720, AV760508, BF691714, AW270385, AL079734, AW505253, AA524616, BE139267, AV759518, AA533025, AW575605, AV763550, AA410788, T74524, BE395467, AI669589, AW974932, AA502991, AW438542, AI590485, AW023975, AV760453, AV655282, AW021583, AV743462, AW958962, AV710066, AI926728, AI636734, AI625604, BF916934, AA714288, AW303008, AI801482, AA584484, BE062159, AV695478, AL038842, F23264, AA669155, AA847499, AV760915, AU147162, AW328202, AW327624, AW963663, AW514662, AI349849, AA492584, AU131037, BE178489, BE155951, AV757289, AI891080, AL079335, AC006511, AL022323, AC004000, AC008267, AC004655, AC020906, AC004106, AC002072, AL022320, AL049569, AL049776, AF038458, AF196972, AL024498, Z82194, AC008641, AC002287, M89651, AC005880, AC002115, AC007881, AC005666, AL049537, AP001727, AC011495, AC007425, AC004771, AP000008, AC011445, AL022315, AP000704, AC004967, AL139100, AC007193, AP001713, AC020754, AL050338, AC005887, AC009600, AC011465, AL133286, AC004811, U95743, Z82215, AC005566, AC008569, AL049856, AC002116, AC011479, AC007051, Z94056, AC005920, AC005081, AC005529, AC002316, AL031295, AC005921, AP000102, AC022401, AC006530, AF064861, AL034423, AC008264, AC004156, Z97632, AL118501, AL355392, AL031297, AP000076, U89335, AL034420, AC007055, AC011811, AC007919, AC004914, AC005736, AL024474, AP001718, AL136228, AP001671, AC011469, AL078581, AC003663, AC004181, AC004216, AC005052, AC011490, AC003971, AC006552, AJ277546, AC027644, AC020956, AC002302, AL136418, AC004840, AC083871, U47924, AC021999, AL121920, AC006449, AC004877, AC005519, AC000159, AC008395, AL163279, AC004020, AC005200, U91323, AL109797, AC006011, AC007450, AC005098, AL137073,

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HCFBA30	417	608166	1 - 855	15 - 869	AW081859, AW872961, AI811057, AI672829, AI393974, AA679666, AW674141, AA864672, AI038289, AA918147, AI971831, AI926317, AA835057, AV727374, AI694785, AI871609, AI694794, AA286712, AA970458, AW139325, AI457312, Z39719, AI750611, AI700866, AA764903, AB014608, AP000345, AC000394, AC021068, Z94162, AL133375, AL133375, AL133375, AC026532, AC026532, and AC026532.
HCFBM77	418	604576	1 - 915	15 - 929	BG249643, AI334443, AV762098, AL138455, AI284640, AV762959, AV764228, AL046409, BF677892, AV764530, BF697673, AL037683, AW407578, AV710066, AL044940, AI061313, AW265385, AV757425, AV763670, AV762064, AV755677, AI064864, BF816072, AA720702, AW963542, AV762397, AI754253, BE160727, AI267818, AA579179, BF680041, AV733830, AI270117, AA665330, BF676981, BF679256, BE154495, AW965008, AI307201, BE277210, AL042753, AV761489, AV729813, BE672637,

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HCFBV39	419	830525	1 - 1745	15 - 1759	BE738566, AV700721, BE622741, AV716930, BG260189, BG028265, BG108609, AI765410, BE545855, AI309976, AI905481, AW505445, AI654172, AI765422, BE737577, AI935100, AA744381, AW080284, AI377003, AW021443, AW117289, AA633528, BF129924, AW300601, BE301232, AA806565, BF575424, AA573342, AI918765, AA147881, AW051839, AW571594, AI491714, BF819042, BF245930, AA714223, AI650790, AA505121, AW025829, AI246597, AI823422, AI377950, AA916612, AI378103, BE931951,

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HCFCB72	420	824165	1 - 1704	15 - 1718	AI733856, AA535216, BE062476, BE062478, AI050076, AW023111, AV762633, AW500029, AW974932, AW970877, AW271904, AA720732, AU152561, AW237905, AV760915, AW274191, AA169245, AA493808, AI141130, AV762033, AI583466, AA935409, AI306232, AV764259, AA601278, AW970958, AV760508, BF832074, AL079734, BF589824, BE140949, BF527070, AL135377, BF589788, BE245338, BF725884, BF526964, AW833901, AA524616, BG222875, AI884383, AW968188, AL046519, BF854308, AI049630, AW190505, AI612142, AI114557, AU143988, AW873261, AW188427, BF772474, AW975626, BF841045, BE062545, AV695478, AW805539, AW063684, AA904275, AI654285, AI469140, AW328331, AV764334, AW972919, AI017251, AA226356, AI251576, AA613624, AW068853, AW505253, AA609834, AA013168, AI634187, AA483606, AI280266, AW157456, AI583252, AA019973,

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HCFCG91	421	897509	1 - 2913	15 - 2927	AU125982, AU125447, AU124785, AW001101, BG110603, BF974285, AL040867, AL040866, BF725360, BE868091, BG104583, AW090092, BG121189, AW190132, AI355864, AW889900, BE378250, AL041116, BE548940, BE256037, BF941323, AW080364, BG106299, BF034153, AI359516, AI651097, AW383973, AL524978, AW362784, BE547709, AW753817, AI148869, AI393562, AW675581, AU149111, AI367629, AU132530, AW004969, AA706610, AU154232, AU149535, AL046765, AU132763, AU154467, AW836789, AW836786, AW373589, AU154038, AI797535, AA313215, AI288449, AU148577, AA649925, AW363230, AA535371, AW836788, BE813630, AA029231, AA029232, BF887882, AA453842, BF887870, AW605323, AI421670, AL040652, BE855545, AW937579, AA233312, BE873172, BF753305, BF848580, AA514956, AA586607, AI453237, BF590559, AA227274, AA233313, AW999617, AI905503, AI683301, AA227283, BE070741, AA453758, R18421, AI911435, AW754123, BF081251, AI378143, BE070726, AI916759, C00385, BE694440, BE938121, AI911691, T09488, Z25342, BF081249, AW953485, AW072241, AI272899, AI270551, AA916908, AI200242, BE070582, AI424142, BF332451, AW580296, H91031, AW295174, BF842266, AA249047, AW857035, AW611973, AW602313, BF357733, AI910768, BE858745, BF194823, AI905504, AA005312, AI307564, BF378122, BF820885, AI818299, BE814287, BE814349, BF334589, D53211, D53071, D53128, BE814606, D53194, D53589, BF378140, AW512399, AW364841, BE825640, AW512554, AI349173, AK024705, AB002366, AK027063, AK025689, AL354661, AL354661, and AL354661.

HCFCM81	422	847378	1 - 1663	15 - 1677	AI922752, BF795250, AA747912, AW962625, AW976214, AA210739, AW499818, AI540818, AA211831, AA368850, AW294346, Z82200, AR054110, AF000545, AJ270065, AJ270066, AJ270068, AJ270071, AJ270072, AJ241092, AJ270061, AJ270062, AJ270064, AJ270067, AJ270069, AJ270073, AJ270076, AJ270077, AJ270079, AJ270080, AJ270081, AJ270086, AJ270089, AJ270075, AJ270074, AJ241023, AJ241031, AJ241044, AJ241045, AJ241055, AJ241056, AJ241057, AJ241058, AJ241059, AJ241060, AJ241076, AJ241077, AJ241078, AJ241079, AJ241080, AJ241085, AJ241087, AJ241089, AJ241090, AJ241091, AJ270090, AJ270091, AJ270092, AJ270063, AJ270070, AJ270082, AJ270084, AJ270095, and AJ241093.
HCFCW39	423	847037	1 - 1329	15 - 1343	AL515864, AL520836, BF982820, AW361551, AV709787, AA044787, AW361816, AV717763, AI066751, AV716307, AW271303, AW386243, AI962453, AI040041, AL040729, AW044292, BF445232, AI692246, AI800575, AI191409, AW370636, BF939599, AW614202, AW370601, BF509001, AA633357, AI148133, BE566643, AA451626, AA811380, AI817239, AI984665, AI142462, BE966636, AA609336, AA760754, AA806273, AA761737, BF573283, AW386263, BF510059, AA568833, AW299302, AI935515, BF689192, AA599678, AI346964, W32202, AI698071, BE246144, AA043649, AW674878, AA098943, BF132985, AA255580, AW386241, AI703351, AI081067, W27320, BF677388, BF056338, AA765235, AW391214, AI445511, AW468025, AA450390, AA255603, AI088469, AA663918, AA040631, AA167227, AI356972, AI084370, BE622691, AA209476, AA614019, AI184658, AA962304, AW044281, AA576467, AA025353, AA285129, AA781637, AA039984, BF911174, AI375319, R59874, AA772620, AA548537, BF911246, BG152849, AI918926, AW771469, AA085467, AA761919, D20127, H88293, AA577417, AW973932, AI949269, AA772611, AI570158, AI193531, AI500111, AA781325, AA187326, H88294, R76381, AA043699, AA994041, AI391515, AA994040, AA417831, AW008536, AI769416, AI355757, AA284013, AA405824, AA854495, AA740937, R76720, T27302, AI862141, AA449425, H49479, BF211923, AA971905, AI818423, Z40227, AW271326, BF970216, AL515865, AI754002, W32257, BG029124, AW591821, AW386259, AA828122, AW589632, D58189, AA405825, AA450222, AA837075, AI468374, AI537816, AL521517, AA247406, BF106404, AI051439, AW370621, AI918361, BE049280, AI914837, AA680279,

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HCFCY49	424	637537	1 - 1509	15 - 1523	AV714136, BG261256, BG253331, BF033430, BE780116, BG109104, BE888874, AV647388, BG254796, BG030555, BE889969, BE439572, AV682564, BE896074, BF701508, BE539765, BE542941, BE866067, BE613014, AW967289, BF245297, BF213521, BE884196, BF665647, AI417131, AI459458, AI685068, AI691084, BF238663, AI814058, BE856547, AW044549, BE967123, AI679334, BE042777, AI224113, AI458772, AI378764, BF977150, AI678708, AI025736, BF211618, BF130792, AW090191, AI399925, AA829652, AW264692, AI278877, AA176319, AW009613, AI224404, AI700379, AI342594, BE622231, AW274547, AI889634, AW275964, AV653081, AA565576, AI446325, AA629801, AA159322, AA829372, N50779, AA535912, AI687943, BF246145, AA160117, BF382055, AI077523, AW514075, AA018595, AA148510, AI358820, AI567806, AA026874, D56123, BE889505, N26505, BG258375, AA599820, AI808379, AI086884, BF433590, AA938244, AI631266, AI274144, AA165281, AI375537, H99326, AW182179, AI126029, BF246179, AA458603, AA602999, AI280330, AA923220, AW261876, N33307, AI911467, AI160675, AW130515, AA634015, AI865416, H49309, AI288006, AI051412, BF696496, BF061599, H18368, AA037721, AA932724, AA335871, AI263966, AA904245, AA872721, BE145420, L44424, BF216963, AA936585, R67751, AL532755, AA224582,

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HCFDD18	425	664012	1 - 1677	15 - 1691	<p>BF798046, BF343993, AI125711, AW269499, AI373099, AA203619, H09391, BE221919, AI498207, BF056950, BF928305, AW970185, AA705910, AW593041, AI671502, AA699678, AA040140, AV689124, AV691416, AV689163, H05554, AA164543, BF928462, R37434, AA040092, BF221602, AA079184, AI458886, AA716774, AV697676, AI243945, BF934919, H09331, AA917990, AW190657, H05092, AA514523, R20065, AA704852, AV697721, BF765665, AV685915, AV684800, AA668995, AI285873, H92968, AI248980, AA934353, AI240130, AA813038, N63776, W84616, F06301, H57337, BE858402, AV686994, R07487, BE003659, AI873094, AA972801, BF437414, H57333, AA079183, H57344, AW020993, BF873354, AA165085, AI526063, AW073573, F02593, R12493, AA992525, AW082521, AW612268, AV696469, AV683765, AV684875, AV683767, AW861442,</p>

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HCFLB10	426	675140	1 - 856	15 - 870	BE503824, AW206890, AU119384, BF824914, AC009946, AC046130, AC006334, AC006288, AC011235, AL008715, AC008873, AC005378, AL360178, AK021824, AC005157, AL356280, AL163267, AL162414, AC013246, AF015721, Z82198, AL135746, AC005367, AC066587, AC003658, AC011331, AF015724, AC003089, AC009093, AC009093, AC023814, AC023814, AC009130, and AC009130.
HCFLC03	427	596809	1 - 1608	15 - 1622	AL526255, AL519435, BG104510, AU143402, BG253574, AV754048, AW966973, AI498184, AI351071, AU151419, AI361937, AA442904, AI351054, AA132132, AI022775, AI275383, BE467338, AW197021, AI041953, AI080580, AI193174, AA854640, AI025467, AU153664, AA760953, H96783, AI434968, AI972627, N89763, BF115072, AW904942, AW904928, AW904943, BE702683, AI074497, AA844195, W17292, AA629531, AW132094, AA612846, AI052085, N62247, AI078457, H25973, AA705505, H99703, AI223367, AW583397, H82386, AI038650, AV754490, AV753938, AV753810, AW674468, AV754388, AI093667, AW583345, AA310729, R14443, R68340, AA468579, BE243420, T89940, AA132071, BE247099, H97713, AW129002, AW303293, BF364388, R17541, AW950031, R68289, H82279, AA773986, BE702649, R09765, T97422, R41908, AU129258, AI471139, R40767, AA599648, AA321963, AV753754, AA136258, AA323427, AW950030, N79338, AW664646, T97308, BF095988, AW370488, BF094205, BF000154, AI702869, D38293, AF186995, and AF271407.
HCFLJ52	428	130703 7	1 - 1468	15 - 1482	AL513766, AW014948, BF939675, AI927624, AI979001, AI480347, AI218726, AI652267, AW058447, AW081554, AI433494, AI433486, AW002382, AL513765, BE677472, AW594044, AI805092, BG034946, AW057702, AW195936, AW207187, BF002331, AI281889, BF431778, AW974325, AI621135, AA903087, BF002304, AW606041, AW874230, AI277084, AU076947, AA826896, AI886304, C01591, AW169658, BE184039, BE965481, AA939199, BE964687, BF904180, AI923989, AW834325, AI623682, AI554245, AA420722, BF904176, AI538885, BE011885, BG032704, BE176075, AI954721, AW265004, BF806065, BG028528, AI133559, BG029291, AV713427, AV682462, BF726894, AL048644, AI926593, BE893142,

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HCFL33	429	604583	1 - 1027	15 - 1041	D29244, AC016906, and AC016906.
HCFLP48	430	748224	1 - 1769	15 - 1783	AC023955, AC023955, and AC067843.
HCFLQ12	431	836110	1 - 2194	15 - 2208	AU118764, BG106162, BE778127, BE797150, AV752313, BG120218, AU154321, AI689734, BE250980, AU153415, AW996238, AW504395, AI436305, AI375392, AW006715, AV751567, AI799686, N39203, AA643830, AA488342, U68730, BE503320, AI093912, AU122988, AI362856, AI066714, AI553969, AI273196, AI865149, BF055137, AI687131, AI281041, AA603559, AA229748, BE537710, AI917924, AA659308, AA100647, N98456, AW292559, AI914101, AA230086, R69611, H00701, AA513239, R69700, BF593118, N63930, AA570601, AA777971, AI952841, AU157655, AA508513, AI054384, AA513611, AI963997, H00803, AW438591, AI381012, BG114013, AA527901, AA994883, H11745, AA736523, AI265850, R92034, AW016200, AL134263, AA578150, AA707600, AW003975, AA714293, AW303564, Z21601, AI673778, BF904624, N45268, AA100178, BE699778, AU131735, AW378473, AA889353, AW378471, BE832619, AA724529, AI905986, AV734537, AW971296, AW602127, AL049795, AK002111, AL049795, AL049795, and AL049795.
HCFLY20	432	786452	1 - 1083	15 - 1097	BE616406, BE615019, BF989601, BF940222, BF969387, BF112134, AW959838, BF112246, AI091422, AA769608, AI453560, AA865768, BE675043, AA778791, AI675358, AI479115, AI818037, AW205377, AA279658, AA279657, AW014291, BF223484, AI675304, N94489, AV764291, AW804504, AI678276, AW470673, AI651196, AW025567, AA587124, AA552707, AI472938, AI862519,

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HCFLY20	433	858875	1 - 1109	15 - 1123	BE616406, BE615019, BF989601, BF940222, BF969387, BF112134, AW959838, AA769608, BF112246, AI091422, AI453560, AA865768, AA778791, BE675043, AI675358, AI479115, AI818037, AA279657, AW205377, AA279658, AW014291, AV764291, AA587124, AI675304, BF223484, N94489, AW804504, AI678276, AW470673, AI651196, AW025567, AA807449, AA552707, AI472938, AI862519, AI300592, AI472848, BF222504, AI285342, W23939, AI886788, AA814274, R23917, AW135766, AA364431, AA318467, H46125, BE839019, BF431836, AW134786, AA648912, BF183227, AI422509, R23918, AA648263, AW888986, AI673149, N91973, AW833924, AI937869, AW088944, AI565895, AI860697, AW079768, AI917920, BF817746, AA830821, AW082600, AI627880, AI636710, AW084772, BF750885, AI766656, BF816031, BE962570, AW059713, BE613727, BF921215, AI961622, AI394539, BE966363, AI798258, BF913569, BF812932, AW084915, AI567290, AI738852, AA694608, AI783861, AI696263, AI287476, AI270039, AI805404, AI358362, AI265772, AW009066, AI612738, BE965279, AA766618, BF883915, BF764534, AI635469, AI749373, AI590787, BF913615, BF816041, AI700168, BE251133, AW410895, AA761323, BF816455, BG027628, AI203903, AI702540, AI718161, AI699862, AI632981, BE878103, AI364788, AI686631, BF035662, AI263070, BE061389, AW080730, AW170734, AI591081, BF904245, AI864827, AA916033, AI669897, AI683255, AI678302, AW263389, AW090494, AI627390, AI888482, BE735108, BE315058, AI269636, AI872159, AI566876, BF904248, BE904686, AW235028, AI690449, AI270561, AW083804, BF927081, AI458443, AI926531, AI492356, AW858254, AI889051, AI289892, AW002698, AI244380, AI457968, AI918424, BE393551, AI921396, BF915315, BG250249, BE964403, AW189933, AI041019, BE965601, BE965461, BE971893, AI251205, AI630887, AI611215, AW079334, AA813906, BF811780, BE747965, AL137745, AJ243797, AF151105, AF106934, AB049887, AK000568, AF012536, AL389978, AF067420, AC012067, AL137659, AX027129, AL080137, AF119337, AL137556, AF059612, J05032, Z49258, AL445220, Z97180, AL122098, AK000093, AL035407,

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HCFMA39	434	826004	1 - 368	15 - 382	AA398084, AW577135, AW804686, AW392670, AL119324, AL119457, AW604723, Z99396, AW858526, BF868687, AW858525, AW861944, U46347, AL119443, AL134527, AW384394, BF868684, BE705903, BE705906, AL119418, AW604726, U46351, AW861889, AL119522, AW858455, AW372827, U46350, AW363220, U46349, AL119396, U46341, AL119319, AL119401, AL134525, AL119484, AL119391, AL119497, AL119483, AL039912, AL119439, AL119496, AL119341, AL119355, AL037205, AL134536, AL119363, AL119444, U46346, AW969893, AW976505, AW969860, AW969729, AW971140, AW973803, AW975255, AW974962, AI142131, AL119335, Z69706, AX046357, AR060234, AR066494, AJ279014, A81671, AR069079, AX030435, AJ251859, AB026436, and AR054110.
HCFMJ40	435	604589	1 - 736	15 - 750	AA855007, BF905405, AI087042, AV738630, AV709806, AC002316, AC005082, AC006571, AC011464, AL034451, AC003664, AC011465, AC011495, AC020916, AL139396, AL031311, AL122001, AC007151, AC012087, AL033527, AL133174, AL139100, AC004053, AC005940, U91326, AC009311, AL136300, AC010463, AC008747, AC005409, AC007360, AL121928, AF030453, AL121926, AL121586, AC011742, AL079340, AC020934, AP000031, AL137162, AL034420, AL139099, AC004922, AL035494, AL121897, AC010205, AC009244, AC005088, AC011530, AC005747, AF134726, AC005971, AC008536, U29895, AC008403, AC005919, AC006312, AC008569, Z99943, AC008959, and AC004033.
HCFML07	436	580817	1 - 1224	15 - 1238	AW051492, AA453875, AA453791, AI128202, AA769365, AA889797, AI473332, AI205638, AW268986, AW876069, AW876070, AW876073, AC025797, AC025797, AL161430, and AL161430.
HCFMR75	437	894836	1 - 815	15 - 829	AI308839, BF589394, AU157469, AV722734, AL043412, AW264404, AV724473, AA732888, AI683223, AW977144, AA587860, AA765928, BE070630, R55763, T16333, AI698399, BE070503, AW189318, BE940413, BF155893, BF089441, BF089442, BE940416, AA884439, BE940418, AL036802, AI588892, BG026746, BG249582, BF791874, AL119863, BF814420, AI267162, BE940412, AI932638, AW087938, AL514627, AW051088, BG180996, AL514691, AI273094, BG025209, BG178911, BF089711,

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HCFMX16	438	581042	1 - 788	15 - 802	BF874953, BE065822, AC008813, AC022150, AC010328, AC005821, AL049538, AC005081, AL162430, AL135749, AC005914, AL137039, AL121890, AC006511, AL133387, AC008543, AC006115, AP001711, AC010271, AC005052, AL135839, AC005730, AC007637, AL049548, AC009756, AC010458, AL096701, AC009336, AC011895, AL121895, AC008745, AL031447, AC008018, AC007366, AC006111, AF168787, AC005005, AC004826, AL109804, AF001552, AL158040, AL024507, AL354872, AC007325, AL022316, AC007917, AC010150, AL450169, AC008521, AC008736, AC008770, AC020552, AC008813, AC008813, and AC008813.
HCFMX88	439	825989	1 - 1134	15 - 1148	AI791227, AA613257, BF681619, BG222269, AI753365, BE139358, AA410788, BF941382, AI017251, BE139267, AA640710, AV710482, N64587, AV729669, AI754037, AV763538, AW271904, AW974932, AA228778, AI535902, AI620585, AA524616, AI358712, AA527209, AI246796, AI570943, AA515048, AI370878, BG236735, AA779783, AI783911, AV714931, AV698930, AI687206, BF876179, AA262752, AI821714, AI792133, AI791913, BF743814, AI040051, AW271917, BE674952, AC005529, AP000553, AC002347, AC007676, AL080249, AL136300, AC005291, AC005694, AL136969, AL162505, AF254822, AL109976, AC003101, AC016602, AC008626, Y18000, AL109743, AL031680, AC024563, AP000215, AC011442, AC011452, AP001711, AC019187, AC005288, AF168787, AL138759, AP000356, AL121601, AC005562, AC007308, AC011462, AL031311, AC005089, AP001752, AL049832, AP000030, AC008569, AC009470, AC004905, U91328, AF111168, AL445220, AL096712, U91323, AC010271, AC011444, AC004668, AL355392, AC008040, AF031078, AP001712, AF030876, AP001727, AL135839, AL121753, AC005512, AL356652, AC005914, AC010618, AC000353, U91326, AL138878, AC006254, AL121928, AC006241, AL109825, Z98051, AL022316, AC022392, AC005527, AP000346, AP001725, Z93241, AL008635, AC005057, Z93244, AL121886, AC002470, AL136179, AC008760, AC022436, AC005399, AL020997, AC004821, AL021392, AL161731, Z97630, AC007216, AC005722, AC011449, AP000959, AL353748, AL162430, AC009499, AC009086, AL136418, AL136137, AC008764, AC008745, AC020898,

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HCFNM40	440	746864	1 - 1081	15 - 1095	AW572909, AA037767, AI961026, AI269898, AA399583, AI689929, AW470943, AA037780, AA757107, AI968995, AI206593, AW475023, AA609204, AA813241, D56264, Z45403, AI523529, AL038837, AL039074, AL039564, AL039108, AL039156, AL038531, AL039659, AL039625, AL039648, AL039629, AL039678, AL039150, AL039109, AL037051, AL037726, AL036725, AL039128, AL040992, AL045337, AL042909, AL039423, AL039410, AL039085, AL036973, AL045353, AL043422, AL044407, AL039538, AL038821, AL039386, AL039566, AL044530, AL039924, AL039509, AL043445, AW973200, AL038025, AL037526, AV745724, AV745917, AV743601, AV717990, AV717956, AL036196, AV746102, T24119, AV745723, AL037639, AV758878, T24112, AL045341, AW013814, H00069, AW975143, AW064110, AV718844, AL045794, AV738934,

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HCFNM50	441	732010	1 - 1379	15 - 1393	<p>AW973789, AW971265, AW969870, AW974109, AW976010, AV710066, AV739452, AI499588, AL042420, AW975210, AA478355, AV738993, AW979080, AV762139, AW972312, AA551552, AL121385, AV763354, AV764307, AI284640, BF870145, AA847499, AW270343, AV760937, AI583283, AV734666, BF677892, AI567076, AW970898, AI311927, AV763138, AI133297, AW268918, AW303150, AW128884, AV760777, AV703942, AI471887, BF816072, BG153869, BE297262, BE156651, AI873852, AL036037, AW833862, AI345157, BG060148, AL045808, AL046156, AA577959, AW128900, AI859438, AV762067, BF126429, AA569471, AL046409, AV762098, BF827410, AA488746, AU117032, AW969689, BE159380, AA846935, AA664909, AV760378, AI434695, AL133549, U57005, AP000226, X54181, AP000087, AF285442, X54177, AP001694, AC008474, AL008735, AL356790, AC010154, AC002096, X54175, X75335, X55929, AL096773, AL022168, AC005480, AL022316, AC007999, AC007308, X55926, AL121829, AL136382, AL034379, AC011311, AC008403, AC008038, AL109826, AL109769, AC010618, AL049858, AL121759, D83989, U57007, X54180, X54178, U18391, X55931, U18392, U57006, U18394, U18395, X55925, AC018448, U57008, X54179, Z69713, AL121751, U18390, AL445143, AC004883, AL050332, AL118501, Z82976, AP001671, AP000952, X14487, AC002563, AC022137, AC000379, AC004913, AF015151, AC004955, AC008635, AC012398, AC037199, AL135922, AL021940, AC002126, AC005175, X55930, AP000689, AC004166, AL359828, AC005620, AL121581, AL138743, AC005246, U66000, X55932, AL163208, X68500, AC006345, AC006313, X53550, AP000404, AL136162, Z83818, AC005820, AC008770, AC004686, AC006226, AF283525, AL135912, AC009503, AL391070, AL118503, AB003151, AC005212, AC002312, AC017019, AC000025, AC011811, AL035587, AC007679, AC004799, AF015153, AL356299, AL132866, AC005527, AC004824, X55927, AF126531, AC007666, U18393, S43650, AL391119, AL445532, AC019172, I51997, AC005098, L47228, AC005874, AF134471, AC007214, AC008757, U18388, AC008018, AK021446, Z75889, U61375, AC002310, AC008180, AC007366, AC073651, X74558, AC004098, AC011531, AC000046, AC004024, AF225900, AF243527, AC015853, AP001725, AC007226, Z94721, AC005231, Z69925, AC005756, AL136223, AL121758,</p>
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HCFNN16	442	740934	1 - 1583	15 - 1597	AL134527, AL134536, AL022718, AL022718, and AL022718.
HCFNN75	443	762959	1 - 1627	15 - 1641	BE548216, AI088554, AI090612, AI085712, AI565982, BE958291, W73326, N74544, AA574246, BF437839, AI916094, BE170548, AI469473, AA248115, BE835472, AI470186, AW784758, AA400248, BF678832, R46645, AA907749, R38570, BF960928, BF962173, BF855321, BF943176, BF952233, AA663248, BF906237, BF943179, AL045187, AK024734, AL121975, AC006257, AC004130, AC020719, AC025434, AL365475, AC006210, AL354985, AL358293, AC009784, AC006536, AL157821, AL121826, AC002115, AL136300, AC023796, AL136460, AF265340, AC002288, AL136137, AL161655, AC006354, AL162573, AL049556, AC006377, AL353802, AP001672, AL096862, AC010253, AP000034, AL031736, AL160412, AP001713, Z98304, AL078474, AP000101, AC009297, AL135878, AC010627, AL031594, AL158218, AP000379, AC026432, AP000086, AC027332, AL356969, AC025030, AC005034, AP001715, L81803, AP001712, AC073316, AC005799, AC007128, AP000264, AC008498, AC005084, AP001694, AL035405, AC004963, AL031737, AC006083, Z99497, AC007559, AC002068, AC005919, AL023581, AC006029, AL445258, AL024495, AF131798, AC010361, AC025771, AP000466, AL096773, AL031431, AC016950, AC004776, AC006231, AF051934, AL442124, AF129107, AC004012, AL355365, AL163268, AC010223, AC005323, AC011815, AP000339, AJ229042, AC009303, AP001538, AP001760, AC018684, AC020912, AP000217, AL135910, AC010905,

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HCFOG17	444	747700	1 - 1456	15 - 1470	AC073111.
HCFOH93	445	668236	1 - 590	15 - 604	AI347124, AI810827, N67034, AA894597, AI379537, AA973761, AA913818, AI819264, R26059, R91241, AV733401, AV733431, AW189617, AA088869, AA570374, AA938694, AA194233, T25739, AI539200, AI539170, AA410188, AI126024, AI051147, H68098, AA515349, H70441, F10462, AI350625, AA053010, AA033845, AI422859, AV707654, AU148193, AI361921, AW182219, AI342415, BF063199, AL041924, AW418659, AL042694, AV733824, BG033220, AV760391, BE047915, AV760389, BF725761, AV652027, BG105817, BF342223, AA760655, AW965201, AV760647, R91240, AI906328, AL514935, AL034417, AC005902, Z82206, AL035587, AC006288, AL121601, AF001552, AL117377, AC005057, AL138976, AL121585, U95739, AC005291, AC004383, and AP001699.
HCGBA15	446	604603	1 - 967	15 - 981	AI307201, AW192179, AU146342, AW970896, AI888017, AW277253, AW963450, AW438856, AV764329, AW263864, AA603323, AI345654, AA878149, AI753567, AW407578, AW272925, AI049940, AA602906, AL039958, H15679, AV761745, AV762957, AA813902, AV762050, AA410788, BE140949, AI310670, AA313025, BE138594, AI870197, AC004966, AC063976, AC022161, AP000280, AF060568, AC005005, AC009600, AC004383, AC000357, AF107885, AL133500, AC001234, AC002524, AC078889, AL442166, AL163284, AC009481, AC006965, AP000107, AP000039, AL121852, AC000004, AL035400, AC008482, AC003046, AL136223, AC007011, AC002366, AC010252, AP001715, AL022397, AC005201, AC007358, AB026898, AL158144, AL445483, AC004859, AL355103, AC006360, AC002300, AC002350, AL117354, AC008126, AJ277557, AP000499, AL078600, AC007386, AC009358, AL391122, Z83822, AC004605, AC006071, AC006512, AL137016, AL078593, AL049829, AP000689, Z98052, AL139087, AF111168, AC002400, AL031685, AC004025, Z93020, AL022315, AL121782, AC005046, AC006530, AC005037, AC006451, AC007563, Y18000, AL136139, AC023510, AL050307, AC026770, AL158206, AC003037, AL163303, AC004673,

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HCHAC68	447	610370	1 - 1639	15 - 1653	AI814271, AI660272, BE733694, BE278196, BE616040, AI921487, AA723184, BF912805, AA580180, W67935, BF914570, AI796102, AI066638, AI969257, AI057143, AI304408, BF847967, AW151722, N57743, AI471717, AA722642, AI915597, AA907336, AA523951, R55206, AI334785, W67936, AI469513, BF002802, AW338892, AI289318, AI805623, AA877398, T40767, AI884467, AW190147, R49990, H42109, R55203, BF914216, W67798, AW168785, AI189133, H42062, AW974038, BF062682, AW997129, AI682858, AW205907, AI521133, AI869853, AA936880, BG012852, T91785, T39744, AW969283, BE280738, AI860239, AI905201, BF915897, T39820, BF736607, AA593190, AW845349, C00542, AL134524, AL045327, AW858522, AL134110, AW601637, T84994,

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HCHBP49	448	892141	1 - 925	15 - 939	AW080609, AA777505, AV655811, BG035507, AA699618, AW959997, AW839589, AW839586, AI041608, AI076952, AI814907, AI184140, AA639663, AW072690, AA678056, AW207184, AA631597, AI306592, AA910200, AI306642, AI929528, AW167706, AA682596, AI017685, BF907069, BF907064, AI826960, AI033376, AW771736, BF447397, AW050708, AI619952, AA365399, AW083465, AW080512, AI022049, AV656071, AW839579, H58011, AW838933, AA702331, AI002035, R52052, AW204073, R52053, W07481, AA404565, BF841762, BE727090, H72928, BE867453, AW817349, AA946781, BF957579, AW006978, AW138971, AA535077, AI193618, BE708263, AI363980, AI814945, BF755699, AI674712, BF755711, BE391899, BF366860, AI354701, AA886701, AI540825, AA781607, BF763943, BF855079, AI185457, BF761830, AA326825, AI306593, AW371381, AA778926, AW235627, BE386665, AL162078, AL355385, AL355385, and AL355385.
HCHCA79	449	840333	1 - 723	15 - 737	AL537909, BF447901, BF446840, AW007385, AI952965, BF527829, AW974030, AW236681, BE256339, AW974031, AI342856, BF530699, AA483770, AA580062, BE256351, AI214387, AI242753, BE348549, BE670717, AI634489, BE221076, AI937763, AI962502, BG150407, BE254831, BE674644, AI937601, AA401158, AA454756, AI916079, AA922442, AW964112, AA400815, AW293099, AI197775, AA862255, AI935915, AI619559, AI002787, AW196540, AA346149, AA346148, AI248867, AW571994, AW245087, BG165228, M85703, AL390134, and AC026454.
HCHCG33	450	862534	1 - 2272	15 - 2286	BF982842, AI123543, AV656267, BE276559, N34474, BE898286, AI302757, AI339864, AA984191, AI214505, AF019358, AA732034, AI244758, AA367258, BF931216, H92395, AA804636, AA741011, AI963720, AI633168, AA577906, BF965775, AA483223, BG236628, AA610509, AI768952, AW271917, BF477463, AW338508, AI471691, AW341903, AW270258, AA565426, AI216998, AI431303, AA347114, AW517377, AA574442, AA053635, AL041894, AI338426, AA491814, AA601355, AI871954, AI061334, AA405493, AW504435, AI350211, AW193265, AA714282, AA623002, AA599920, AI002261, AI375710, AV762050, BG222269, AI244127, BF681619, AA640797, AI961983, AA740921, AI417469, AW021917, AW500250, AA346458,

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HCHMY57	451	833049	1 - 1861	15 - 1875	AL530195, AL536409, BF984403, BE883509, BF207118, BF205215, AW962226, AL536408, BF435941, AV693715, AI283122, AI598139, BF307187, AA805440, AI074111, AI041761, AI870958, AI580894, AI922242, AW664412, AA729133, AA587980, AA641707, AA773522, AA974371, AW749803, AI942450, AI378237, H96807, AI347229, AI811457, R52649, W94318, AA029943, AA910646, AA975200, AA193632, AA308878, AW467521, N56059, R49326, Z44459, R72275, F36112, BE778252, AA866032, Z19279, AI801169, R59095, AA029946, BG122513, AA810603, W78789, BE251780, AI051036, AA193591, F00421, BE162322, BG164266, Z40385, W92792, N48893, AI784248, AA953788, BF740457, R00219, AI444981, R00325, BF512099, BE545565, BE736311, BE729304, AW964095, AI612107, AI284542, AI583670, AW268221, AI345477, BE138624, AW301974, AI860787, AW268122, AI609967, AW084233, AI887211, AA830333, AA761557, BE965408, AW972273, AW301500, AI567625, AI538733, BF925370, AI690813, AW194014, AL514359, AI446110,

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HCHOC06	452	688042	1 - 504	15 - 518	AV682380, AV711247, BF971580, AV708077, AV714264, AV715426, AV760782, AW575300, BG255518, AV713587, BF206190, BG115687, AV703593, AV760249, AV711847, BF678954, AV734674, AV733545, BF038664, AV763301, BE263572, BF245151, AL036575, AV734569, AV707064, AV704429, AV702220, AV716006, AV714307, BG180476, AV714687, BG169627, AV716152, AV760999, AV759899, AV714579, BE906703, BG171750, AV761218, AV759767, BE729749, BE440021, BG116740, BF974973, AV762807, AV705898, AV718321, BG179094, AV736920, AV710279, AV763147, AV712951, AV739972, BE568651, BF308833, AV761232, BF726193, AV681722, AV682556, AV733926, BF310291, BF315845, AV759500, AV760467, AV714071, AV759752, AV735237, AV712588, AV703158, AV717769, BE396392, BE264794, AV759918, AV700416, BF529611, AV714468, BF679041, AV764448, BF976853, BF207743, BE881298, BF338565, AA526187, AV739769, AV759170, AV711929, BF973523, BE875367, AV711226, AV704968, AV711335, AV761350, AV761563, AA845550, AV711150, AV717065, BF032633, BE727076, AV761389, AV713433, BE783709, AV705777, BF664151, AV734695, AV755690, AA843113, AI038160, BE794193, AV710196, AI146805, AV762189, BE792548, AV762542, BG106856, BE910407, AV703976, AV759502, AV713846, AV706245, BE904621, BE265681, AV708721, AA541627, AV707529, AW015094, AI144259, AI159938, AV714722, AV710584, AI143145, BE265623, BF588648, AI125607, AI185846, AV759280, AV712728, AI087227, AV737443, AV695959, BF476267, AV760186, AI984682, AI601266, N43023, AI123872, BE907376, AV713638, W72617, AV744929, AI337987, AA053931, AI147304, AV740690, AV737450, AI817435, AI745573, AW029437, AI192559, AW007323, AI042133, AV733066, AI720243, BE208490, BG113600, AA864485, AA603163, BG104605, AV712876, AW161620,

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HCHOY52	453	837297	1 - 1399	15 - 1413	AL524318, AL524319, BF026559, BE896825, BE410751, BE259307, BF973593, AW410514, BE394435, BF684415, AI207410, BE958389, BF307606, AA731740, AA099118, AI823871, AI751649, AW410515, BE048828, AI018005, AI830382, AA099117, AI693468, AA404348, AI239456, AA403069, AI751650, AA748998, AW014917, AA149023, BF590456, AA779353, AW405480, AA766177, AI281347, AA486011, AW468419, AA610231, AA748482, AA149022, AI088514, R73023, BE673033, AW732399, AA488631, AW074036, AI433436, AI559723, BF438403, AW193727, BF115627, AA922974, BE002990, BG231451, AI499535, AL042508, AI828557, AI872319, BF724508, AI355008, AI687624, AL514997, AI433978, AL514683, AL515171, AA845918, BG113168, AC020908, AL133076, AF315354, and AX030435.
HCHQB93	454	793648	1 - 2149	15 - 2163	BF792998, AI418534, BG035429, BG249122, H88399, BE891636, AW380545, BE617727, BG251433, BE150741, AW118999, N63602, BE208166, AW167150, AW167144, BE706513, AI954926, AI479629, AI659406, AI346433, BF736861, N94373, AI566762, AI184477, AW004881, BF736852, AW167152, BE676553, N80988, AI361712, AI377483, AA044581, AI674296, AI668872, BE962263, AI625610, BF837579, AW380475, AA044328, BF837584, AI890981, AI336685, AW083276, AI446826, AA824649, T67070, R97963, W32893, AI131077, BE931378, AI934293, AW338045, AW380474, R91339, R14716, W35162, AW377505, BF876053, BE706515, BE695845, T67009, AI910283,

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HCHQB93	455	875853	1 - 2149	15 - 2163	BF792998, AI418534, BG035429, BG249122, H88399, BE891636, AW380545, BE617727, BG251433, BE150741, AW118999, N63602, BE208166, AW167150, AW167144, BE706513, AI954926, AI479629, AI659406, AI346433, BF736861, N94373, AI566762, AI184477, AW004881, BF736852, AW167152, BE676553, N80988, AI361712, AI377483, AA044581, AI674296, AI668872, BE962263, AI625610, BF837579, AW380475, AA044328, BF837584, AI890981, AI336685, AW083276, AI446826, AA824649, T67070, R97963, W32893, AI131077, BE931378, AI934293, AW338045, AW380474, R91339, R14716, W35162, AW377505, BF876053, BE706515, BE695845, T67009, AI910283, AW512464, T67069, BF111550, AV705665, H59006, AW857503, AW440881, BE043331, AW367076, H40441, BF515605, T67008, AW953910, BF927994, AI254248, H38568, AI910251, AA382238, AI811122, AI027042, AW131806, R42436, N68291, AA382237, AI559861, AA328957, BE150714, BE869060, AW104930, AI625134, AW579497, BF765889, AW361929, T24727, BF336735, AL526426, BG120456, AI114597, BE782315, BF820023, AW339964, AV645769, AF168990, AB024574, AK000430, AF168991, AB024573, AL353602, and AF116627.
HCLBK61	456	845659	1 - 1574	15 - 1588	AW888225, BE909010, BG179776, BG035454, BG110521, AW961918, AL046940, AW886511, BE257058, BG028046, AV704518, AV707665, AA115296, BE778760, BF968134, BG118898, AA127752, AV709320, AA482432, BF844844, AI719551, AA115271, AV706611, AA292209, AA127675, AI754750, AI817764, AI084658, AI921925, BF215850, AI480051, BG028121, AI720847, AI936895, AV704680, BF844824, AI978596, AI973004, AV706575, BE315319, BF930346, BF675963, AI754633, W39064, N25471, AA927727, BF667059, AA482579, BF593800, AI142422, N94401, AI423383, AA452021, BE810269, AA009997,

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HCMSA37	458	598712	1 - 893	15 - 907	AI276418, AV761025, and AL136310.
HCMSR07	459	821338	1 - 1494	15 - 1508	AI733622, AI050031, AV756642, BE676932, AA583244, AV735495, AI254798, AI457397, AA604897, AV741940, AA501784, AW327868, AA653618, BG004525, AW970564, AW406755, AA366035, AW086257, BE139371, AI245679, AA748121, AA553604, AV742057, AI133164, AI866908, AA318652, AA536015, AV713396, AL138265, BG109817, BF805334, BG007292, AV761745, AV757306, AW576389, C05986, AV758600, AW851028, AI745325, AA531554, AI630203, BF887156, BG014866, AA916039, AA737154, T71235, AA826032, AW274349, AA862173, AA577426, AA053635, AA629992, AA482681, AL041368, AA573020, AA148489, BF772619, AW303196, AA599141, AI358229, AW301350, AA654322, F29989, AV763354, AI890348, AV757395, AV761925, AA111909, AI365988, BE205860, BE349302, AA831904,

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HCNAI74	460	750972	1 - 989	15 - 1003	AA327041, AC011030, and AC011030.
HCNCT01	461	840357	1 - 664	15 - 678	AC026424, AC010245, AC010245, AC026424, AC026424, AC026424, AC008587, AC008587, and AC008587.
HCNDR39	462	845243	1 - 3267	15 - 3281	AW888226, AL533138, AL533139, BF793325, BG167803, BG167534, AL120634, AI827909, BE538178, BE384169, AA020821, BF445962, BE718967, AW362240, AW836777, AI749953, BE858286, BE069597, AA020870, AW365849, AW365625, BF574938, BE707486, AW502344, BF724145, AW365835, BE875381, BE069689, AW178314, W68104, BE931607, BE933202, AA699472, BE069702, BE867759, BE069606, AA865620, W67685, BE069648, AA504655, AW468792, H10420, BF326669, AI359848, AW365669, AW365687, AW517686, AI148294, AW365683, BE551738, BE069588, AW365829, AL049068, AA700317, W27724, AA148566, AA054059, AA035524, W27330, BE069742, AW953336, BE880419, N25698, AA971558, N32535, AI753331, H27987, W28589, N23330, AA486641, AW152229, BE835231, BE835382, AA490010, BG027237, BF872424, H10421, AW628769, W68415, AA907403, AA960971, AW892706, N42751, N32491, AW239322, N21655, AA826422,

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HCNSD91	463	834817	1 - 856	15 - 870	N52817, AI660875, AI094982, AU144847, AA550950, AW962524, AA524869, R55013, AI086369, AA256408, AI619640, BF346704, AI799758, BE222839, W72302, T64883, AI768161, AI219698, AA234488, AI168674, N24054, AI953535, AI216186, AA256302, D80195, H72264, AA480493, N74614, AA907539, AA291494, T81879, AA468535, R55151, R48208, BE858456, AU150143,

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HCNSF01	464	901060	1 - 1721	15 - 1735	AL523497, AL523496, AI804917, AW973481, AI133370, AV716073, BF027170, AW024415, AI302184, BG120804, AV692708, AW955102, BF108769, BF691126, BE264000, AW273859, AV700904, AV699357, BE386262, BG169469, BE789575, AA948547, AI299954, BG236229, AW043839, AV685386, AW516856, AV688204, BE546468, AA639665, AA911904, BE819542, AW119093, AI097457, AI522298, AI222830, BE819457, BE819514, BE839222, BE819567, AW182738, BE819505, BG170954, AI305813, AA526991, AA527252, W96028, BE839045, BE819511, AA280758, BE831532, N50841, BE790051, AA643646, BF371410, AI290542, BE674172, BE819590, BE819554, W94661, AI240325, AI751876, BE871104, AI290551, AI300130, AA885922, AA664347, AW050812, AV659324, BF219419, AV645491, AA838720, T74688, AV693575, AV692481, AW176080, C75117, AI400510, AA100857, BE018093, AV692975, AA056968, BE819468, N54246, AV645442, AA481324, AI880359, BE772570, AV694085, AV694699, AV653729, AI394339, BE819545, AA486172, AA281439, AA468902, AV695940, AI751877, BE939493, AV719793, AV660065, T95295, AA643688, AA359423, D20113, BF379099, BE819461, BE831675, AW854105, AA385681, T95375, AA057016, AI890004, AA359712, N58703, AW071048, T74801, R50203, AW054934, Z19305, T64005, BE716219, AI635828, AI928438, AW970142, R40496, AA602300, AI685551, BE301581, T36144, AI262366, AA133917, AA514233, BE819546, AW970145, AV716521, BF752093, W45353, AA315963, AA533897, BF912723, AI273020, T86288, AW768388, T90950, AA486109, R50150, AW273588, T86387, AI635443, T85836, AA587303, BF359777, AA353447, BE839081, T98225, R13065, T64084, AA353040, AA513774, BE819498, BF771959, AA383720, AW945448, AA669130, AI872115, AI367142, AI758444, T27349, BE008461, BE819456, AW467705, AA253283, AW316697, W15319, AI819151, AI571469, BF359773, AA382189, AA130233, AA361822, AI557206, BE831556, BE831640, AI613022, AI401483, AA576059,

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HCNSG06	465	600396	1 - 495	15 - 509	AC073607, AC073607, and AC011039.
HCNSG32	466	825978	1 - 903	15 - 917	H92353, Z19477, AW085108, AC015973, AC024067, AC006983, AC015973, AC015973, AC053522, and AC053522.
HCPAE41	467	799546	1 - 662	15 - 676	AW961040, AV716177, AW951455, AV729065, BE440010, AV733944, AV716395, BF691565, AV717157, AV733543, BE384408, AV726858, BF183932, AV726077, AV742382, AA782412, AV712295, AV764150, AA035386, W32750, AV712026, BF030584, AA452722, W44483, AV682382, AI080285, AA147986, W73817, AA148014, AV716104, BF572910, BE410504, BF218708, AW288085, AI066753, AI826700, H49745, W44484, BE909889, H69070, BE540698, AV711663, AI685629, AA057029, AI090058, AV728752, AV715987, AI139439, AI720442, AI361072, W76429, AV648883, W72037, AA888074, AW026542, AV704594, AI363004, N58555, AV709283, F36442, AI582271, AW516743, AI744625, AI085400, AI860947, AA579651, AA150040, T30430, AV740182, AI335748, T34177, BF790247, H72938, BE563935, H48067, F36921, AV712829, AA862651, AA579160, AA431325, AA150156, BE733278, AA830645, BG179750, AI394420, T34802, H69071, T89164, H99978, AA047370, BF572393, BF184523, T35804, H69218, AA938754, AI261333, R72005, H47715, H49750, AW797386, AI761650, AA669621, H50333, H46824, AW771671, AA862374, AA748804, AI885762, H49513, AA887224, T34182, AA568518, F26842, T36153, AI219387, BF439706, T35549, H72539, AA923809, H73233, T34284, AI184113, AI367456, T31812, BF667020, AI363806, AI358853, AI002474, H69064, AI150900, BG006574, T34116, AW364000, C05196, BE720230, R75697, D30929, AA037011, AW820482, AI769256, AW779176, H69063, H46745, AI826369, AA248079, H74239, T32128, AW182004, N88560, R72006, AW800359, T63027, T35256, BF115009, T30271, AI220761, AI093342, AA669683, N78151, T25347, AA035385, AI582096, AA369356, AI097516, AA301051, AA090035, AW579422, AV712734, C04184, AI015971, AI302031, BF763996, F18095, BF081894, BF081895, W32693, AW820546, AA125944, H49518, H50450, AI185447, AA972455, AI460160, AW363987, AA815301, T25346, AF151072, AC074013, AC051655, AC073073, and AC073073.
HCQAK36	468	561280	1 - 1218	15 - 1232	AA633196, AV687947, AV692202, AA442396, W91904, AV684602, AI421025, AA835643, AI204655, AW614446, BF223837,

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HCQAQ47	469	603530	1 - 848	15 - 862	BF574993, AL137607, AF109219, AC011123, AC011123, AP001460, AP001460, AP001562, and AP001562.
HCQAS72	470	828082	1 - 1374	15 - 1388	AL046886, BE279307, BE019568, BE391135, AA664125, BG177319, BE384305, BE390284, AW501171, BE889171, BE273776, AW499614, AW500833, BF346622, BE410770, AI371317, AA676873, AI434698, AV703394, BF922390, AA807225, AA721751, AI536606, AA760945, BE163519, AW976065, AI913150, AW747905, BF994170, T90581, BF755836, BF904131, BF084780, BE389227, BG108346, BF828643, AA152296, BG009400, BE778885, D61199, AI378039, BE075569, AF056191, AC007050, AC004033, U80745, AL031670, AC005500, and AR009990.
HCQBM95	471	841011	1 - 678	15 - 692	AV701034, AV755304, AV701132, AV757517, AA280641, AV756221, BF244422, AV716491, AV717394, AV757617, AV711667, AV711949, AV760446, AW238481, AV761775, AV764057, AV760247, AV715083, AV712674, AW163168, BF243027, AU131818, BF213949, AV702117, AV762751, BF210229, AA483857, BF975292, AV714474, BE737903, BF975469, AW328621, BF975466, BG028715, AA533483, AV716192, AW020426, BE865475, BE748071, AW971321, BF211941, BF942405, AW328622, BE439720, AA535577, AA528409, AU122940, BF031342, AU126784, AA747259, AV762668, BG249194, BF594874, BF102961, BG152698, AV723913, AI879598, BF207764, BG249553, AV712895, W42841, AW327536,

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HCQCM95	472	800912	1 - 2615	15 - 2629	<p>AU133305, AU119335, AU133561, AL043185, BG260871, BE880122, AU134779, BF792084, BG109105,</p>

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HCQCM95	473	886938	1 - 2003	15 - 2017	AU133305, AU119335, AU133561, AL043185, AU134779, BF792084, BG109105, AV722697, BF796575, AV726952, AL043751, BF207629, BF794914, BG104749, BF037958, BG164074, BG180277, BG170273, BG105199, BE622306, BG105068, BF574370, AV701963, BG260871, AI096629, AI743380, AA523928, BE465858, AW237306, AI949961, AI041193, AU154580, BG105260, AW589667, BE552144, AW084006, N41405, C05812, BF339890, BF571855, BF691762, N36103, BE549847, BF195635, AI791370, AI633952, AI963667, AW316833, AI627834, AW069140, BF436485, AA843596, AA393650, AW361954, AI753991, W60991, AI587154, W73124, BF381810, BE706244, BG166655, AW965871, BF796876, AI147931, BF573372, AA857095, AI148510, AA262483, BF796960, N20620, AW131012, AW195805, N32195, AI564583, AI423959, AI349383,

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HCQCV23	474	800888	1 - 1400	15 - 1414	BF795621, AW601738, BG179209, W81119, BE768838, AV722905, AW361705, AW946426, BE714167, BF221558, BE223004, BE768818, AI023171, BF000074, BE768816, BF795943, BE768829, AW519321, AU147373, AA535154, AW576145, AW157219, AW842225, AW952660, BE714156, AI921982, AA515031, AW069552, AI311724, AI857692, BE768824, AI862158, BF924109, BE327630, AI289893, AW747859, AI079531, AA235169, BE932048, AI051186, AW135105, BF910355, W78767, N64363, BE932037, N92160, H27964, AA554699, W24363, AI358378, AA827945, AW151259, AA778925, AW804041, N48967, AA935704, N98752, AI087228, AI289894, BE967498, AW517866,

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HCQCV23	475	862285	1 - 1398	15 - 1412	BF795621, AW601738, BG179209, W81119, BE768838, AV722905, AW361705, AW946426, BE714167, BF221558, BE223004, BE768818, AI023171, BF000074, BE768816, BF795943, BE768829, AW519321, AU147373, AA535154, AW576145, AW157219, AW842225, AW952660, BE714156, AI921982, AA515031, AW069552, AI311724, AI857692, BE768824, AI862158, BF924109, BE327630, AI289893, AW747859, AI079531, AA235169, BE932048, AI051186, AW135105, BF910355, W78767, N64363, BE932037, N92160, H27964, AA554699, W24363, AI358378, AA827945, AW151259, AA778925, AW804041, N48967, AA935704, N98752, AI087228, AI289894, BE967498, AW517866, H27965, AW996574, AA234898, H25648, N48871, H16658, BF922779, AW264713, AA554060, BE765196, AW511823, AA761787, AA256622, W30963, AW803550, AA748881, H16515, Z42632, AA642946, Z24944, N45683, BF944000, AI468784, R62650, T05232, BF870678, BE765237, C18517, AI382379, H90088, Z38800, BF944097, BE765209, N99389, N45623, BE843427, R62602, AA634880, R36126, R36398, AA256515, BE827655, H98998, AI474159, BE827687, H89998, BE004594, AW273277, AW163223, BE172030, T07753, N71434, BE827681, N93642, N98751, BE827642, BE827685, BE827607, AW803684, AW946373, BE827630, AA091881, BE815039, AV654070, AV727787, AV703169, AV725826, AV709660, AV725745, AV704217, AV702280, AV661704, AV691080, AV703501, AV655280, AV702385, AV659322, AV687035, AV650315, AV709314, AV708381, AV697196, AV703762, AV656283, AV660608, AV709407, AV727032, AV726590, AV729094, AV655096, AV727003,

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HCQDD32	476	832140	1 - 870	15 - 884	BF508973, AA903973, AI369389, AA192180, AA992672, AA973837, AA976064, AI420102, AU159772, AI431269, BF879114, AL517432, AI074883, BF345083, AI086258, AI718078, BE786167, BE378401, AW810603, H21506, AA910919, BE842349, AW810526, BF195605, AW388254, BE962313, AF196779, AC002470, AC011479, AL138787, AL163249, AC010538, AC010538, AC068559, AC068559, AC068559, AC012300, and AC012300.
HCQDD61	477	845771	1 - 861	15 - 875	AV691862, AW957628, AV695700, AW960655, AW964223, AW950597, AV709273, AV727337, AV696234, AV702296, AV704767, AW950258, AW950143, AW949517, AW964112, AW967325, AV683669, AV726194, AV691615, AV706925, AW960067, AW952328, AW952460, AW954969, AV706316, AV709555, AV650283, AV650591, AW964440, AV650691, AV650768, AV658751, AW951437, AW950272, AV693149, AW960207, AW955710, AV655560, AV704740, AV701613, AV701844, AW949478, AV649566, AV702789, AW964071, AW950443, AV657617, AV703878, AW950862, AV706683, AW960601, AV725709, AW952403, AW952183, AW959806, AV656903, AV661704, AV697196, AW952751, AW956075, AV645936, AV709587, AW955723,

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HCQDT67	478	834331	1 - 739	15 - 753	BE379331, BE073385, H49070, AV687808, AV698583, AV703653, AV708191, AV708980, AW967091, AV694524, AW954697, AV693230, AW952196, AV707271, AV727268, AW958869, AV705437, AW960535, AV701067, AW963231, AV701560, AV707498, AV683886, AW960597, AV703000, AV653223, AV646672, AV686064, AV702861, AV725134, AV688823, AV702832, AV728642, AV688667, AW956075, AV686414, AV693523, AV683443, AV728985, AW950267, AW952417, AW951816, AV651503, AV705436, AV727047, AV656240, AV656250, AW967052, AV693000, AV727238, AV695359, AV725369, AV706925, AV646722, AV661704, AV697196, AV658863, AW954145, AW960779, AV659322, AV726156, AV654908, AV698545, AV708091, AV708381, AV652837, AV660728, AV703169, AV728518, AV706734, AV701496, AW956781, AW960076, AV701180, AV655096, AV726681, AV687176, AV685688, AV689800, AV693005, AV687909, AV707933, AV701914, AV660096, AW953499, AV709407, AV727929, AW951239, AV725826, AV728965, AW950223, AW945195, AW950434, AW955394, AW966146, AV691080, AW963756, AV687527, AW949454, AV707500, AV729131, AW962508, AV645545, AW956384, AW961264, AV726694, AV728779, AW959848, AV659389, AV705811, AV659294, AV697895, AV728652, AV701796, AV653353, AW950443, AW949447, AV704847, AW962003, AW958509, AV702738, AV709692, AV729494, AV683101, AV726067, AW955613, AV696106, AV709587, AV650315, AV661490, AW951263, AV727613, AV689111, AV655280, AV728924, AV660258, AV729597, AV727787, AV686060, AV725745, AV660608, AV706527, AV702745, AV726590, AV656478, AV653784, AV709314, AV702385, AV652001, AV651955, AV707979, AV726194, AV709580, AV727003,

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HCRAI29	479	844084	1 - 676	15 - 690	AF157027, and AL096810.
HCRBI79	480	679646	1 - 1498	15 - 1512	BG110742, AW272167, BG153387, BF345586, BE220468, BE467402, AI582620, AW615190, BE217881, AI034428, F24085, BF110919, AI797165, AW450298, BE328876, BF512484, AU144283, AA972829, W90618, AI348573, AA715829, AA278523, AA258057, AA291302, BE047718, AI932687, AI474741, AI863472, AA992435, AI703192, AA262062, AW901259, AA682710, Z95704, AP001634, AP001660, AC004527, AK021514, AC015776, and AC015776.
HCRBL20	481	709660	1 - 2106	15 - 2120	AU123880, AU137327, BF983995, AI796539, AW964758, BF691721, AI301961, BF478190, BG105255, AW027599, AW964759, BE467411, AW665584, AW044582, AW235667, AI828213, AA075557, AI142288, AA554366, AA194931, AI453084, AI638321, AW205060, AW964763, BF977077, AI377198, AI979164, BE857620, AI216072, AA194932, AU157132, AA449002, BE940580, D80402, AI216074, W93936, AW964764, AA524862, N63060, AW612652,

					AA962391, AA195588, AI539364, D80401, AA075562, AA180173, AI693460, W93935, AI208013, AA243504, AA180147, AI439529, BF241341, AA862884, AI358753, N46536, AA885417, AV750595, AI758401, AA243357, BF222352, AA450312, BF197943, AI806439, AA983410, BF675430, AA339971, AI682244, AI765882, T89241, AA213530, AW085973, H88454, AA249662, AA422037, H88386, AW661910, AI365170, AW589679, AA862164, AA093684, D81650, AA884124, BG165531, AW102693, AA194884, AA757061, AW519221, BE670876, AA249563, AW137240, AK000737, AL117531, AK001992, AC048334, AC048334, and AC024709.
HCRBX84	482	100710 5	1 - 832	15 - 846	BF967248, AL449827, BE249916, AL449829, BE538664, BE792143, AV729232, AL449566, AV728899, AV729092, AV709542, BG115656, AV705897, AL449830, AL449828, AV727974, BF967970, AV728087, AL449568, AV724431, AA687506, AL449569, AV724794, BE293587, BE304996, AI366509, AV725880, AV729470, AL525777, AL525733, BE908675, H30610, BF819047, AA425509, AL449567, AI929037, AL449682, AA478172, R87904, BE293780, AL449831, BF922393, AV726564, H61765, AW371128, AA425257, H86924, AW371127, H45229, AI878979, AA324861, AW578726, BE737467, AA348313, AV724395, AW578724, AA043609, AW578786, AA325850, AW381620, AW379676, AW578783, AL449832, AI928870, AW362449, AA337507, AI050858, AA610213, AA618143, AW362403, AA348707, AL449683, AA346652, AA613406, N92162, AI346906, AA767356, AW362411, H40602, BF194953, AA745988, BE825140, AI669064, AA514397, N46586, BE702449, AI819114, BF826665, BF928817, AA805626, BG014017, AA732332, AW028102, BG007385, AA459078, AA977070, AA939149, AW516035, W93538, AI879481, AW881969, AW005481, AA425399, AI671046, AI243428, AI022343, AI189502, BF432406, AI140204, AA594462, AI813840, AA458887, BE677897, AA478016, AI858653, AL532475, AA948218, BE222922, AI207254, AI362741, AA425852, AL532476, AA568596, AA693420, F32711, AA503522, AA694562, BE840603, AI376467, AI362619, H61766, AF220191, AL021578, AJ276469, AK000531, AK026642, AF314058, AL021578, and AL021578.
HCRMA24	483	897005	1 - 638	15 - 652	AI476275, BF747790, AB011180, AL049956, and AL138759.
HCRMR35	484	849071	1 - 2895	15 - 2909	BE901275, BE887911, BE540235, BE540111, BE900318, BE892421, BF347036, AI091372, AI978955, AI148871, AW136306, BF062764,

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HCRMR35	485	874743	1 - 2904	15 - 2918	BE901275, BE887911, BE540235, BE540111, BE900318, BE892421, BF347036, AI091372, AI978955, AI148871, BF062764, AW136306, AI076374, AI760726, AW074845, AI950999, AI141627, BF846203, AI634279, AW300696, AI027708, AW264933, AA135123, BF743362, AI862003, AA010075, N26912, BE867194, N98428, AI401636, AW800867, C20943, AW404376, H16294, AI249785, AA135236, N39868, R93263, AI612798, H16471,

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HCRMR35	486	897434	1 - 2904	15 - 2918	BE901275, BE887911, BE540235, BE540111, BE900318, BE892421, BF347036, AI091372, AI978955, AI148871, BF062764, AW136306, AI076374, AI760726, AW074845, AI950999, AI141627, BF846203, AI634279, AW300696, AI027708, AW264933, AA135123, BF743362, AI862003, AA010075, N26912, BE867194, N98428, AI401636, AW800867, C20943, AW404376, H16294, AI249785, AA135236, N39868, R93263, AI612798, H16471, AA731184, AV742859, AA559951, R76656, AI201837, AI923037, AA810473, AA635636, AI190005, AA081091, AW957038, T16484, AA081249, AA370045, AA961632, AA229775, AW978031, AA230010, AW885820, AI864137, C01543, T46994, R93171, BF509404, AW579026, AA665667, AA872011, AW295123, D31491, BE551201, AV658727, AL117565, AC073219, and AC073219.
HCROC18	487	884144	1 - 1877	15 - 1891	BE868797, AI206965, BE048676, AW960582, AI955864, AI978772, AI952843, AA910462, AA532931, AA551929, AA573386, BF351374, AI718392, AI749756, AA633326, AU141384, AW192987, BF741147, BE070269, BE070250, AA327208, AI341292, AU158961, BF379283, BF882621, AW512163, BF855740, AW859223, BF873073, BF855742, AI572827, BF762518, N54395, AI345905, BF840674, AI345416, AI345612, AI345415, AL043355, BF921092, AI281867, BF343172, AL038445, AI923422, AI274745, AW023590, AI589947, AI554821, AI648408, AI950664, AW169604, AI648508, AW827227, AA983883, AI251221, BF950970, AW303089, BG112239, AI241923, AI288285, AI915243, AL039276, BG254570, AI700159, BF680133, AL040243, AW090393, AI573167, AI631216, AI590686, AI690813, BE900751, AW163834, AW193203, AI866770, AI452993, AI868204, AI554343, BE967255, AI174591, AW263804, AV681858, AI921746, AI955906, AI539808, AL041150, BF904773, AW082532, AW090141, AW080095, AA833760, AI457188, AI611810, AI699011, AI280561, AW089572, BG058217, AI305745, AW168503, AV741327, AI476086, AI690748, AI421085, AI955587, BG030837, AW022300, AI689420, AI917252, BE907624, BG256090, AI469014, AI624120, AI610667, BF032500,

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HCUAE53	488	665716	1 - 1473	15 - 1487	
HCUAO46	489	610056	1 - 248	15 - 262	AA765054.
HCUAT74	490	834611	1 - 759	15 - 773	AI419209, BG056208, AA641625, AW952859, AA056741, D19625, AI207769, AI208665, AA147362, AV645797, AI818767, F36670, AV741200, BF576372, F22593, AI066491, AI754924, AA988305, AI814466, BE875854, AV743366, BF590255, T30433, AA769330, W80797, N56696, AV741023, AV739607, W72859, AA521036, BF439433, AI832770, AI418592, BF057456, AW268728, F22210, AI523978, AA806392, AA778120, AI478752, W80846, AA595920, AI126087, AI436418, AI761020, AI927404, AI356487, AI492658, BF880862, W75955, AI492657, AI421680, W69164, AI129903, BF216971, AA836089, F33298, AV743601, AV745831, F27098, AV718844, AV720464, AV720731, AV745724, AV701012, AV724520, AV745723, AV737584, AV740535, AV742667, AV701261, AV738934, AV742001, AV743008, AV701163, AV742720, AV746335, AV744934, AV701118, AV722801, AV701017,

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HCUBA28	491	846300	1 - 204	15 - 218	AA778164, AI084880, AA489524, AA598671, AI096605, AI138434, AA878130, AI682698, AW291116, BE905151, AA069623, AA046418, AW085896, AI187258, AA477120, AA478402, AA490974, AI435289, BE042533, AI148631, AW575222, AI129122, BF984756, AI866874, AI188813, AA428301,

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HCUBC45	492	722211	1 - 474	15 - 488	AC008878, and AC008878.
HCUBM41	493	826705	1 - 1255	15 - 1269	AC022858.
HCUBN69	494	826610	1 - 844	15 - 858	Z36758, AV706046, AW502949, AW970922, AL037910, AI859834, AV733328, AA192278, BF766734, BE300645, AI445815, AA501614, AW419081, AL119608, AV738489, AI753488, BF681174, N22032, AI261913, AA663966, AV702609, AV706237, AV762616, AA984191, AA128592, BF725347, AL359076, AC024086, AC009358, AC024082, AC004417, AL033529, AL135901, AL445435, AC024158, AC008264, AC005874, AF134471, AL139824, Z98256, AC010491, AL022320, AL118505, AF002223, AC011200, AL096863, AL133243, AC083870, AC008812, AL022163, AC005082, AP001687, AC018755, AL121787, AL109653, AP000695, AP001726, AC005972, AL121657, AC009079, AL121761, AL109825, AP000356, AC018663, AP001712, AC009477, AP000066, AC005939, AC005412, AP001727,

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HCUBY47	495	842787	1 - 1093	15 - 1107	BF804442, AL134274, BE719931, AA015973, BE272611, BE004073, AU130686, BF944311, AA350288, BF980625, AW381549, BF930222, AW376075, AA015633, AI372752, BF804440, AU129444, AW375977, BF094324, BE779592, BE066334, BF094333, BF806867, BF804426, AW905056, BE746155, BF882898, BF765484, AA368585, BF765486, BF765482, AA985318, BE867316, R25575, BE869519, T09473, BF836572, AA326116, BE703682, BF951895, BF986389, BE700193, BE825157, BF830743, BF879535, AK001591, AK000605, AB020718, and AJ289016.
HCUCV66	496	806577	1 - 1100	15 - 1114	BE791076, BE562371, BF125922, BE545816, BE893710, BF025656, BE560850, BG254242, BE783296, BG109121, BE386688, BE538318, BE397803, AI022637, BE277828, BE276444, BE397848, BE267577, BE275850, BE784809, AA149073, AA149074, BE277717, AV761654, AI742008, AW006212, AI762829, W46144, AW958719, AA461220, AW961375, AW440327, AI423439, AI038508, AI919233, AA766181, AI803623, AI302638, AW406517, AI493323, W49612, BF025931, AA316936, BE221469, W22295, H82161, BE890924, AV723457, AA576741, AA483830, AA306274, AA397638, AW363176, W49645, AV725174, AI636463, AA424395, AA443665, W17305, AI400950, AI623538, BF333865, N64216, AI086725, AA424527, AA417584, AA447051, AI419519, AI052175, AA563690, AA417693, H77378, AI683554, BF246086, AA460917, AI805961, N58015, AI383711, AI682368, AI689431, AI364272, AA714021, BF002852, AI962555, W31137, AI381256, AI383080, AI656429, BF221987, AI300197, AV705606, N33015, AI400647, AA188722, AA359309, AI867340, W46156, AI422606, W00540, AI630432, AW006525, AA188419, AW004769, AI536105, AI925290, AA732565, AW582494, N78870, N91843, AA877771, AW609833, W24467, BF377942, N92289, AA033615, AA328119, AW609855, AI494246, BE077551, N72251, AV691751,

					AA810126, and AL008582.
HCUDJ41	497	610062	1 - 357	15 - 371	BF370901, BF359481, U95742, AC007216, AC009048, AC009048, AC009048, U95742, and AC007216.
HCUEC55	498	534214	1 - 346	15 - 360	AI248715, and AC004885.
HCUEG85	499	610072	1 - 491	15 - 505	AV760519, AA864415, AL133351, AL133351, AL133351, AC013339, and AC013339.
HCUES35	500	694950	1 - 485	15 - 499	AI949453, AI762108, BG118380, AA713993, AA825272, AW138561, AA603319, AA884256, AW269941, AI393407, BF089205, AC022515, and AC024076.
HCUFC77	501	745374	1 - 1531	15 - 1545	W02392, N72566, AI114543, N70293, AA643441, AI355246, AA947265, AW062728, AI792092, AI821056, AI821805, AI745116, BF991881, AA714011, AA720582, BF991882, AU120416, BE675681, AI753904, W04238, AI523074, AI568376, AA564256, AW965008, AA555232, AW104161, AI735609, BE152006, AW591304, AV655282, AW192419, AA484892, AV737323, AI565084, BG110480, AC005261, AL354720, AC018755, AL109827, Z93015, AL157938, AL034420, AC006057, AC005288, AL078638, AL022336, AL049776, AL136137, AL121933, AC005484, AL049694, AC008395, AC011895, AC004826, AC005037, AP001727, AL118520, AC027319, Z93930, AC007676, AL035249, AL031005, AF001549, AC005409, AP001760, AL034405, Z97985, AC004812, AC020906, AL355392, AC004166, AC006329, AL121905, AC004813, AC024563, AC022543, AC010271, AC005740, AL139100, AC011495, AC011464, AC006132, Z83838, AL035400, AL034417, AC016830, U95739, AB001523, AC025436, AL356801, AC005940, AL117330, AL355385, AC005197, AC008569, AC006449, AL160175, AC000134, AC009079, AC005486, AF196971, AC005399, AC005098, AC005291, AC009298, AC008784, AC010605, AC008536, AC005522, AC003665, AC003043, AP000514, AC007151, AC004089, AC007242, AC008760, AL121989, AL445669, AL117258, AL157827, AL031432, AL133448, AL035704, AL049762, AL008582, AL353574, AC009244, AC009953, AC020552, AL391122, Z84480, AC011497, Z84469, AP001729, AC011742, AL049840, AF165926, AP001752, AC007690, AC005358, AC004824, AC005080, AL080243, AL109804, AC006345, AC011480, AC005231, AC005911, AC010422, AC004703, AL031985, AC002350, AC010458, AC011455, AL049795, AC008521, AC007216, AP000512, AL009179, AC005006, AP001747, AL022721, AC018720, AL121758, Z99943, AF109907, AC005236,

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HCUFD17	502	847039	1 - 538	15 - 552	AW411095, AA872059, BE300619, BE794826, AA975640, BE300799, BE894434, AI638144, BF690513, AA912573, N90588, AA744906, AW410314, AW589332, AA644693, BE300924, BF220201, AV704791, AI500242, AA130580, AA877956, AU146315, T48400, AA114055, AA001913, AI066573, AI656724, AI862911, AW614509, BE537213, AA811293, C06211, AA157714, AI368953, BE208338, AI864913, AA813756, AI804095, F31474, AA281725, AA053134, AU155115, F35906, H59426, F21731, AW002359, AW168631, T70332, AA736779, AA310828, R95681, AA470433, AW410313, AI983296, F27720, AW196440, AA482345, F24192, BE880594, BF315719, AA634544, BF312403, AV734325, AU126005, BE762401, BE254426, BG255128, AA281903, AA634491, AW103937, BF315604, AW088525, BF998890, BG035725, BF842015, AF183427, AF099149, AJ130978, AK001800, AJ130975, AF124664, AC027141, AC027141, and AP001127.
HCUFD46	503	757481	1 - 586	15 - 600	BE706870, AW474838, BE830347, BE156122, BE706862, BE156129, BE156146, AP000493, AC004792, AL359846, AC004858, AL031767, AC010789, AC000353, AC005899, AC004814, AB023052, AC006449, AC006483, AF109907, AC008482, AC024561, AL031133, AC009032, AL049834, AL121585, AC005368, AP000513, AC011319, AC011319, AC011319, AC069204, and

					AC069204.
HCUFE33	504	637568	1 - 508	15 - 522	AL357835, AL357835, AC023251, AC023251, AL355998, and AL355998.
HCUFJ09	505	821323	1 - 559	15 - 573	AW409731, BF340090, BF527924, AW051802, AI633513, AW167864, AL533261, AU159621, AI936855, BE676156, AI394227, AW188496, BE868618, AI273398, AI870333, AU152825, AI378450, BF689115, AI493382, AI336537, AI261977, AW006652, BE465671, BE220670, AA576714, AI054043, N59291, BF770024, T03371, T03424, AW183133, AA928668, AW070957, AA971434, C75089, AA873864, AI580687, BG027612, T33489, T32966, AA954368, AW008378, AI453617, AA968925, H06725, AI364675, AA954339, Z40656, AI468514, AI372675, R50314, AI027809, R44940, AW798484, AI027815, R50306, R50416, BF881821, AW798918, BE747609, AI372677, BE828625, AI123903, AV682602, BE394938, AA322164, H86556, AA617843, BE393786, AA353506, AA234656, N55646, BE312682, BE770014, AA570641, AI304626, AI284889, AI309342, AA323766, AA627965, D20632, AL137301, AL118506, AK024508, AK023132, AL118506, AL118506, AL356790, AL356790, and AL356790.
HCUFQ58	506	767432	1 - 583	15 - 597	AI674926, AI095735, AW024279, BF196330, AW084957, AW276571, AV704588, AA113166, BF992498, AI921278, BF989719, R79740, BF840525, BF992997, Z18819, AL135297, BF821494, C75484, AI657485, N87188, N83963, N83707, AL133426, U39066, AX009614, AJ243486, U48697, AF045432, AX009612, U48696, AR018815, AF001863, AF061744, AF102850, AF011573, X99056, X99052, Y16299, X99058, X99051, AR091393, X99055, X99060, AX015225, X99057, AC007897, and AC007897.
HCUFQ58	507	861871	1 - 580	15 - 594	AI674926, AW024279, AI095735, BF196330, AW084957, AW276571, AV704588, AA113166, BF992498, AI921278, BF989719, R79740, BF840525, BF992997, Z18819, AL135297, BF821494, C75484, AI657485, N83707, AL133426, U39066, AX009614, U48696, U48697, AF045432, AX009612, AJ243486, AR091393, AC007897, and AC007897.
HCUFX08	508	612843	1 - 1319	15 - 1333	T30864, AA297698, AA553332, AA225358, AA713735, AA745302, BF851059, BE150389, BE156170, AI146266, AW249720, BE156097, BE221034, AA335519, F00949, BE063362, AL047468, F23307, BE138484, AL157544, AW850317, AA953583, AA496309, AI354333, AC007114, AC006012, AL049569, AC008372, AC004216, Z98884, AL137139, AC005368, AC006345, AL117258, L78833, AL109823, AC018642, AC009086, AP000555, AC013451, AF165926, AC006312, AL117338, AL121928, AC004765, AC007546,

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HCUGB76	509	651312	1 - 377	15 - 391	AA514264, AI208351, AW104280, BF686026, AA775073, AA579944, AC020922, and AC020922.
HCUGK79	510	612779	1 - 168	15 - 182	
HCUGQ19	511	637569	1 - 573	15 - 587	AC007615, AC007615, AC007615, AC009093, AC009093, AC009130, and AC009130.
HCUGR26	512	799515	1 - 1616	15 - 1630	T59559, T59513, AL109758, and AL132875.
HCUGR86	513	839653	1 - 2125	15 - 2139	BF764440, BF764423, BF342344, AI343142, AA526113, AI798981, BE070260, BE070199, AI265794, AU122180, T88795, AW837889, AW837886, AW837888, AW837890, AW938149, AW893152, AA976129, H78851, W00508, BF678576, C00582, AA033831, AW250750, N78055, AA115354, AA428733, AA405170, AA910299, AW993403, AW298171, AA115234, C16735, AW135226, AA758595, AI951128, AA730982, AA330117, AA815056, AW798186, AA846642, AI133728, AW361354, AI073834, AA644042, AC010251, AL008634, AL139099, AC005751, AC009478, AC000117, Z98050, AL163283, AL353573, AP000014, AC020913, AC002072, AP000495, AC005378, AC000120, AC005926, AC005019, AC006552, AC007277, AC009229, AL356311, AL139186, AC007165, AC004024, AC004857, AC007189, AC024085, Z99495, AC005900, Z83820, AP001424, AC008170, AC002980, AL035532, AC002367, AL122002, AC016634, AL031671, AL139395, AC078854, AC004050, AL121942, AC007157, AP001730, L31948, AF064864, AL109623, AP001684, AC007917, AL138958, AL133405, AL031622, AL132656, AL138816, AL163247, AL121949, AC024157, AC006317, AC009363, AF130417, AL136992, AC005831, U82671, AP001206, AC022333, AC015541, AC026162, AC005084, AL035652,

					AL136296, AP001672, AL139277, AC083863, AP000157, AL139388, AC009145, AL137185, AC002064, AC011288, AL022345, AL022575, AL109798, AL135879, AL121790, AL445687, AL354857, AL445195, AC011815, AP001680, AC010305, AC025030, AC008413, AL096711, AC074338, AC010722, AC010719, AC005215, AL121868, AF223391, AL137843, AC026884, AC007262, AL033384, AL121966, AC018816, AL035400, AL137013, Z83841, AC021058, and AC010251.
HCUHE27	514	562766	1 - 805	15 - 819	AV708282, AA704752, BE000781, AI720602, AW270597, BF841238, BE153151, AV748598, BE153288, AL049569, AF196779, AC004491, AC005015, AC002086, AC005023, AC005211, AC005356, AC010271, AC011449, AC005722, AC005387, AC004973, AF165175, AC005578, L78810, AC005017, AC004824, AC020908, AC004678, AC021017, AP001671, AC004882, AL031432, AP000553, AC018751, AC009516, AC008521, AC012481, AC012481, AC016659, and AC016659.
HCUHL82	515	610044	1 - 160	15 - 174	AA954835, and AI733362.
HCUHM71	516	825975	1 - 608	15 - 622	R96853, AL359599, AC002044, AC002044, and AC002044.
HCWAK88	517	839083	1 - 1979	15 - 1993	
HCWAL10	518	639023	1 - 1080	15 - 1094	AA077134, AA077505, BF370438, BF370436, AL044889, AA077969, BE716015, BE715978, BE716009, BE715964, BE715942, H64461, BE246364, BF772198, AA077424, BE390594, BE408761, BE390227, BE390575, BF369603, BE007500, BF984281, AI334422, AI436167, AA078368, BE693243, AA077147, BF933135, BF994594, BF994599, AC006014, AC005488, AB014518, AC073841, AC073841, AC073841, AC005236, AC005236, AC005236, AC018720, AC018720, AC018720, AC005488, AC005488, AC005488, AC006014, AC006014, and AC006014.
HCWAT71	519	801985	1 - 2425	15 - 2439	AF047502, AF047675, AC004468, AC016951, and AL133405.
HCWBQ52	520	732039	1 - 845	15 - 859	AV701344, AV744771, AV746385, AV701125, AV701154, AV744773, D80043, AV745831, AV744768, AV746335, AV743601, AV701012, AV718844, AV720464, AV720731, AV701261, AV745724, AV741012, AV701017, AV746162, AV701163, AV745723, AV701151, AV742667, AV721784, D80253, AV737584, AV740535, AV745369, AV701118, AV701428, AV722801, AV742720, AV738934, AV745920, AV701248, AV745488, AV701166, AV701332, AV700229, AV720812, AV744934, AV723927, AV701431, AV745080, AV701043, AV701121,

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HCWCH16	521	847041	1 - 2281	15 - 2295	AL096843, and AL096843.
HCWDM69	522	684527	1 - 1041	15 - 1055	AA584621, AV759632, AA503168, AV755593, AA629540, AI078409, BE704103, F00564, AI620354, AC024168, AP001715, AC006581, AP000039, AP000501, AC007881, AP000107, AL021391, AC007363, AC010092, AL009175, AC005772, AL356299, AL163249, AL158141, AP001697, AL138916, AL022400, AC010291, AL445207, AP001760, AC002381, Z82205, AC008736, AC007850, AC018647, AC007690, AL078461, AC010967, AL121716, AP001707, AC004787, AC008773, AL031010, AC004859, AF191069, Z82183, AC007077, AC002385, AL022717, AC004980, AC004234, AC006509, AC006441, AB045361, AC007537, AP002534, AC007238, AF190641, AC010176, AC006013, AP000217, AC003091, AL133289, AC008745, AP000959, AF088219, AC004675, AL133517, AC004000, AL136418,

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HCWEB38	523	899446	1 - 1165	15 - 1179	BF377052, BF993578, BF993576, AA247964, AA095359, N88601, N88782, H58760, N83168, N83993, N83991, N84855, N89520, N84048, N88496, AA096046, N84718, AA247827, N83992, AA095641, AA096066, N84828, N84830, N84712, AA093861, N86694, AA471338, N55698, AC007597, AR074139, U39066, AX026540, AF102850, U48696, AF045432, AF032922, AJ243486, S78798, AF103726, AR074144, AR083937, AF039698, AX026542, AX026552, AJ401268, AR066487, AR074136, AX026543, AX026547, AX026539, AC007503, AC007503, and AC023826.
HCWEB72	524	639041	1 - 869	15 - 883	AA553465, AL046409, AV719506, AI061334, AA714453, AI344844, AI284640, AI345654, AV740801, AI305766, AW511743, AI471481, AW276817, AV735370, AI963720, AW769399, BF939954, BE042649, AV764307, AW193432, AI866856, AI688846, AA074130, AA581903, AI379719, AI431303, AV760937, BF854876, AI375710, AV719422, AI350211, AA491814, AV763354, AV759382, BE350475, AW301350, AW303196, AW438643, AW274349, AW193265, BF805147, AW339568, F18638, AA350859, AV719316, AA630030, AW162049, BF036387, AA134367, AW833862, AI929531, AI358343, AA448231, AV762139, AA452563, AI281881, AI053672, AA664015, AI801591, AI198376, BF668217, AI792287, AI298710, AI580652, AU148124, H70615, AV763255, AW029038, AI339850, AI281697, W79504, AA810370, BE047069, AI471464, AW080134, BE787738, AA713815, AI017024, AV762111, AV710066, AV760774, AA599920, AA719805, AA610491, AV763971, AW474299, AI801600, AV762826, AV759274, AV761786, AI890923, AI049722, AI471543, AW261871, AI499938, AI365988, AV759204, AW406755, T07451, AI610159, AA469451, F29989, N25296, AI567674, AI133636, AA649642, AI151261, AI143242, AI962050, AI160117, BF940837, AI251436, AA594145, AI635818, AV760624, AW503666, BF919090, BF918590, AI619997, BF915839, AA426277, AW517377, AA604897, AI937850, AW102955, AA515224, AW778859, AW504669, BF896102, AW063117, AI358229, N55273, AW472872, AI282832, AA640772,

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HCWEF04	525	899865	1 - 369	15 - 383	AA291181, AI968534, AA805949, AI828560, AA485105, AI804964, AI160696, AI679941, AA617729, AI679431, AW591125, AW137069, AI753759, AI634469, AW084061, AI524669, AA936742, AI342020, AI491835, AW117952, BF793203, AI620831, BF663332, BF317098, AI584075, AI081997, BF969372, AI127422, AW612898, AI075437, AW079666, AW075668, BE328679, BG057394, W19345, AI250154, BF339455, AA687230, BF664372, AW517515, AA885729, AI434266, AW275835, AW662453, AI270594, AW440481, AW572612, AI080589, AA430030, AW873781, AW103985, AI921392, AW151516, T29193, BE327878, AI635893, AI452572, AI028180, AA496676, AI581194, AW467394, AI687734, AW512551, AI951184, AI580977, AI434009, AW169726, AI275949, AW192303, AI539149, AI433253, AI752877, AA614614, AW029135, AI572078, AU154424, AW196931, AI393070, AW009573, AW103350, AI688938, AI635923, AI702092, AW474523, AI445921, AW074096, AI624703, AW518955, AW088543, AI924341, AW518738, AI690998, AI433086, AW469337, AW151262, AW150350, AW104692, AW474481, AW262129, BE045824, AW512574, AI539257, BE301704, AA453493, AW513753, AI520854, AI446505, AI921376, AW474802, AW170679, AI246879, AW305151, BG260312, AI358671, AI653817, AI536810, AW130880, AI620842, AW779513, AW001868, AW473004, AI921647, AI818232, AW132127, BE042394, H08564, AW337851, AW074177, AI921397,

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HCWEI82	526	799516	1 - 643	15 - 657	AI754257, BF746686, AA524604, Z92542, AF196970, AC009314, AC006028, AC002991, AC027319, AL136418, AL035681, AC008155, AC005527, AC003109, AL031587, AL050349, AP001711, AC004755, L44140, AC005829, AP001710, AL109804, AP000133, AP000211, AB017602, AP001627, Z93015, AL050335, AC005529, AC004408, AC002504, AC010605, AL139109, AC006449, AC004966, AP001747, AC004382, AL022323, AL121601, AC011495, AC005099, AC011452, AC008551, AC007850, AC008982, AL022237, AC011480, AL117337, AC007371, AC004060, AC004060, and AC004060.
HCWEM96	527	812735	1 - 1887	15 - 1901	
HCWFJ16	528	826606	1 - 361	15 - 375	AC002302, AC002302, and AC002302.
HCWFJ16	529	861854	1 - 361	15 - 375	AC002302.
HCWFK03	530	562028	1 - 289	15 - 303	AW439817, AW439844, AA533476, AI493164, AI435348, AC005034, AC005034, AC005034, and AC005034.
HCWHD30	531	834724	1 - 796	15 - 810	AV709806, AW500684, BF984651, AA858372, AW270771, AW148507, AA502991, AL135357, AI344948, AA845659, BF111583, AW576326, AV760019, AA228349, AA595499, AW576485, AA613627, AI962030, AW969667, BF837190, AA700943, AW438542, AI732151, AA720732, AI253987, T49633, AI290405, AI524360, AA828637, AV763417, AA846935, AI755214, AW832985, T67090, AV762957, AW504126, AI382825, BE156651, AV703785, AC007597, AL035249, Z93017, Z85986, AL034405, AC011811, Z93241, AC011484, AC010789, AC008764, AP000212, AP000134, AP000030, AL008729, AC010513, AC004996, AC027319, AL035414, AC020916, AC018663, Y14768, AL096700, AL356354, AP000505, AL139352, AC005088, AL050349, AL096701, AL391385, AC004166, AP000251, U91321, AC005488, AC004089, AL121655, AC005736, AX039602, AL136300, AC011464, AC005081, AC008812, Z94044, AL160313, AC007688, AP001609, AL352979, Z84487, AL136170, AC005056, AC006014, AC002073, AC008155, AC004408, AP000557, Z94056, AC006261, AL096791, AC005102, AC022509, AL050332, AC006111, AL139396, AC021999, AC004491, AL117350, AC020754, AL442167, AC005098, AL109935, AC004990, AC007240, AC000085, AC005015, AL161781, AC008848,

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HCWHT34	532	692400	1 - 1242	15 - 1256	AW005866, AI821362, T92343, BF304567, T92323, BF307553, AI820515, BE298111, T92316, T92329, T92365, T92393, T92372, T92378, AA631507, AW026305, AI421950, AI419337, AI361090, AV758870, AA515617, AW270385, AV761107, AW194325, AV760014, AW408767, AW265688, AI890324, AA857812, AA569206, AL042667, AL042670, AA557945, AA828834, AA569471, AA506734, AW237905, AA916430, AL117348, Z85996, AC005291,

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HCWHT52	533	834618	1 - 643	15 - 657	AV645401, AV681500, AV645332, AV645383, AV645389, AV645377, AV645379, AV645385, AV645369, AV645380, AV645321, AV681527, AV645390, AV681501, AV645400, AV645392, AV645393, AV645404, AV645353, AV681458, AV681492,

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HCWLE50	535	584777	1 - 328	15 - 342	AC002302.
HCWUF93	536	752279	1 - 794	15 - 808	AL044078, AV650434, AI669717, AI823616, BE220043, AA825741, AI681657, AA682493, AI934924, AI492105, AI683736, AA527119, AA237013, AI630185, AW513714, AI280801, AW054666, AW028903, AA938170, AI290193, AA993401, AA416992, AW166763, AA593853, AA282882, AA088707, AA176497, AA903341, AA922408, AA749276, AV738457, AA194962, BE676564, AA401456, BF110932, AI867755, AW015908, AI269375, AA605135, AA557533, BF935257, AA907256, AW075534, AA470057, AI926743, AA767934, AA319737, AI671728, AV743089, AA938477, AA195597, AA885689, AI933913, AA714846, AW242270, AA731624, BF904567, AW613888, R44284, AL044031, AV693239, AI800860, AA761887, AA326594, AC008982, AC008982, AC008982, and AC008982.
HCWUW24	537	799517	1 - 1286	15 - 1300	AV762640, AW962981, AW955169, AW963613, AW962181, AV647560, AW962217, AW961834, AW962044, AW964130, AV705147, AV707822, AV703284, AV724014, AW956191, AV706047, AW959609, AV733736, AW954352, AV709937, AW956299, AV703493, AV705432, AV722843, AV703978, AV646736, AV646675, AV706326, AW970036, AV653809, AV731709, AV723273, AV707510, AW968150, AW968340, BG009504, AV708850, AI356440, AV701449, AV754402, AW951204, F35684, AA877992, AV763058, AV763026, AV727766, AI271985, AW057719, AV708720, AA523695, AW023111, AV729927, AW502873, AW962611, AW970535, AI185394, AV759632, AV728676, BF854308, AW963219, AI569401, R82650, AV684811, AV757223, AA809089, AW467607, AW268757, AA622479, AV702146, T06598, AA219349, BE675695, AW089589, AA857812, AW966777, AA720567, AL133344, AP001693, AL139812, AC006013, Z98304, AL121749, AC013434, AC005078, AL163285, AL137011, AL442167, AC009179, AC003962, AX001082, AC005284, AL117187, AL031584, AC004448,

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HCYBA32	538	847042	1 - 2078	15 - 2092	AL524028, AL532725, AL536824, BF980699, AW411314, BF967791, AW337246, BE793283, AW273163, AW305004, AW605330, AW129472, AW953956, BE328026, BG058737, AI347938, AW819653, BE646353, AL524029, AW473350, BE349631, AW515953, BE245501, AA115665, AI827218, AL045571, AW513876, AW517499, AI806347, AA707194, AW467330, BF724497, AW242161, AA569120, BE939500, BF436590, BE464930, AL044787, AW806669, AA115666, AI871831,

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HDAAV67	539	637571	1 - 629	15 - 643	BE048361, AI471796, BF437135, BE671018,

					AI088556, AI697650, BE730479, AW204092, R34135, BE090703, BF223387, AW996034, AI697533, AI497837, and BE090652.
HDABR74	540	861789	1 - 1882	15 - 1896	AL532817, AL530229, AL527076, AL530228, AI878957, BE378962, AU125589, BE898909, BG177941, BE743234, BG253318, BE393891, BE799908, BE621874, BF982370, AW580431, BE261725, BE621211, BG164655, BE395197, AL118630, BG024243, BF038048, AW150953, AI669821, AV702785, AU125047, AU125910, AI651619, BE549329, AW006923, AI567453, AI651625, AI653428, AU154328, AW939298, BE742901, AU148438, AU146897, AU153285, AU153257, AI652764, AU153260, AU148801, BF034259, BE393459, AI969800, AU149475, AI685468, AU153503, AW249784, AW237004, AA737995, AU152551, AI435048, AW085492, AA398257, AU153668, AU124614, AA683516, BE502142, AU154658, AA429396, AU153527, BE047742, AU148792, W87472, AI288677, AI190356, AA160364, AW955945, AI400394, BE537695, AW027451, H59653, AU152459, BF593713, AU153147, AV710490, BF800485, BF801740, BF762217, AU152984, AI690960, AI888720, BF970752, AA781972, AI968905, AA443525, AA188832, AA503528, AA188795, AA599455, AA923356, AI200950, AI610807, AI913455, H59613, AA070844, AI183635, BG255397, AI285221, BF030167, AA282516, AI034087, AA070075, W05001, AA970494, AA524442, AA282412, W87507, AA678013, H04989, AA017353, R88150, AU125061, H09665, H09710, N70359, R61101, AI042444, AI022413, R50345, AW997153, R61824, AI370888, H04990, R87706, H97015, AI359110, T67482, AA775663, H69421, AA313400, R50008, H69324, W87479, AA704505, AA627585, AA399209, AI203117, AA357609, AU153407, AI689711, N57922, AA351881, AA464773, AA514515, AW068649, BF760961, AA599359, BF092024, AA743498, AA464182, AA328114, AI526087, AA302341, F08418, AA292187, BE076148, BF850378, BF824929, AA336925, R16081, BE076162, BE390816, AW295514, AA566025, T67599, AA343352, AA300253, AA364447, AW235924, AA017586, BE880588, AA861245, N68101, BG179364, BE740791, AI192049, AA834440, AU131862, BF817269, AW806469, AA471295, AL532112, AI026700, AL520021, AI682081, BG169185, BE171393, AI521555, AL119180, AU124763, AL526917, AU131837, AL532869, T74264, AF062481, A98295, AF034544, AF096305, AF067127, AF110060, AF071500, AF057368, and AB016800.

HDABW45	541	809086	1 - 3348	15 - 3362	BG000804, and U61375.
HDACJ52	542	608197	1 - 828	15 - 842	AW964803, BF792666, AL533332, BE253786, BE407114, BE962229, AI089623, BF980155, BE222993, BG027029, AW084683, AI889062, BE044641, BE250893, AA480317, AA016294, AI762861, AI127518, AI268391, BF590262, BE767785, AI694589, N91275, N92888, AW469187, AI554771, AI337193, AW872855, W27835, AI310006, W46283, AI871040, BG027058, AI127061, AI361964, AV727835, AI366664, AW873391, AI953215, AI362829, AI091700, AI147869, AI871315, AW007682, AA166880, AI401756, AA156451, AA740548, BF954822, AL138149, BF446497, BF964087, AI139562, BG059726, AI026899, AA460774, AW770230, AA063172, AI697218, BG170310, AI419449, AI025896, N95460, AI690908, AW025561, AI205852, AI423427, AI539801, W19754, AI696982, AI499552, W51906, AA729644, N72021, AI245553, AI626097, AI399978, AI625273, AI248536, BF941716, AI333247, AA908161, AI492608, H43145, AA452880, AA975675, AA553939, H50133, AA948712, AI073651, AW008864, AA613295, AI698638, AW956636, AW028685, AA358182, F21173, W25568, AI193403, AI193441, H42379, AI619527, AA836467, H38092, AA613947, AW866208, AA326282, W04311, W25200, AA460223, AW292347, AA830652, AW956631, H05793, AA400858, BE392480, R16816, AA365316, AI202643, AI420983, AI954349, BF062819, AA460345, AW866204, F16722, BF373944, F35265, AI880195, W52492, AW363972, BF477671, AA328096, BE859078, AA363927, F26187, R42514, F30318, AI783778, AA063171, T49887, AA019577, AI368528, AI057163, AA398806, AI401051, AW005410, AI561017, AA650027, AA358183, AA331207, AI819281, AA975864, AI869961, AI968004, BE888018, BF514283, AI954757, BE066520, AA453051, AA341816, BF082467, AW393153, BE827688, BF475699, AA092972, N88967, N84276, W26817, D25634, C21342, R16519, BE271490, AX011692, AF057297, D78643, AC073177, and AC073177.
HDCBM09	543	894702	1 - 405	15 - 419	BE621256, BF811802, AW827214, AW080298, AI922550, BE964664, AI699011, BE964876, AI925404, BF812961, AW082088, AI249877, AW152182, AA769453, AI719817, BE965347, AL046595, BE966505, AI472566, AW028442, BE544111, BF339322, AI952249, AI745684, AI648567, AI805638, AI921248, AI244380, AI446124, AI476620, AW131112, AI619662, AI679891, BF817418, BF819891, BE964514, BG107576, AI690748, BF909758, AL037582, AL037602, BE967081, AW083189, BE965359, AA835801,

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HDFAB86	544	637573	1 - 1248	15 - 1262	BE504430, BE669725, BE219730, BE042865, BE218013, AI797174, AI702128, BE222206, R14439, AA961095, R24723, BE467876, BE326560, AI793313, BE467590, R20579, T06325, BF108541, T07302, AL514473, AL514511, AL514791, AL514691, AL514627, AL514015, AL514087, AL513979, AL513977, AL514357, AL513999, AL514497, AL513901, AI701505, AL513907, AL513817, AL513755, AL513597, AL513693, AL514657, AL514097, AI500514, BE891834, AL515017, AA504514, AL514063, AL514793, AI620056, AL513553, AL514543, AL513631, BE966577, AL513779, AL514721, AL515373, AL514919, AL515235, AL514871, AL079963, AL513719, AI686808, AL514457, AL514823, AL515413, BF724894, AL514047, AI538764, BE964994, AL513865, AL514093, AL514493, AL514085, AI798351, AL514469, AL514579, AA857847, AL513783, AL514415, AI524179, AL515191, AA514684, BF726204, AL513687, AW151766, AL514089, AL514867, AL514155, AL514397, BF970652, AI909661, AL515019, BG121959, AI491842, AL513723, AL046466, AL514635, AI868931, AW082088, BE966547, AI147877, AI500061, AI568061, AI863382, AL513781, AL514409, BG251415, AL514359, AL513913, AI950892, AL514035, AI367203, AI918435, AI630940, AI421903, BG167249, AL514557, AL514219, AW021717, AI491775, BF856052, AI920809, AL513937, AW020629, AI434969, BG036614, AA830821, AW085610, BE874166, AI538850, AW827285, AL514455, AL513809, AI366900, AI282355, AW951463, AI273189, AL513985, AL513643, AI554827, BE890185, AL513991, BF344583, BF969810, AL513697, AL515307, BF904265, AW083825, AW262026, AI583065, BE874847, BE966570, AW169234, BE966081, AI537187, AL037454, AI686702, AW149092, AL513743, AW051088, AL513911, BE965000, AL513951, AI613270, AL036187, AI741158, AI355849, AL514983, AI289863, AI521100, AA449768, AI684036, AI167353, AW827289, AI571439, BE877142, BF970093, AW089009, BE962811, AL514541, AL515195, AI539578, AI863479, AI620037, AL513863, BF343294, AI621341, AI133559, AI354269, BG105445, AI824648, AI560545, AL514251, BE891869, AL041996, AI922689, AI401697, BF724508, AI801325, AI559752, AL048298, BG163297, AI590227, AI692941, AI670767, AI274768, BE965019, BG254352, AI382313, AI469425, BE906641, BG179099, AA928547, AI922707, BF032868, AI539260, AI565147, AI955943, AI141742, BF340067, AI345688, BE965599, BG026263,

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HDFIB37	545	821339	1 - 1610	15 - 1624	AL537599, AL537598, AL532702, AL532742, AW292500, AI359283, AW293098, AI983352, AI983360, AA351654, AI903544, AI903141, T33847, AI903142, AA886198, Z44473, Z41695, and AL042519.
HDFMB91	546	637574	1 - 210	15 - 224	AI583578, AI678446, AL513693, AI933992, AI475909, AI624971, AA514684, AI470717, AW169234, AI370322, AI440444, AW163464, BE965621, AI090346, AW262491, AI289863, AL045579, AI744204, AI539800, BG255160, AA730996, AI700358, AI624956, BE962759, AW959800, AI360195, BG109125, AI249946, AI745316, AI473799, AW105459, AW150578, AI537677, AL514543, AW008226, BG105099, BE084795, AI802240, AV681784, AI480104, AW189196, BF970162, AI696611, AI627893, AA504514, AL138457, AI538085, AI824746, AI538764, BF816166, AI684164, AL514359, AI860817, AW193026, AI440284, AI609181, AW191844, AI499623, AW170663, BE963777, AI273886, AC019210, AB047943, AK025407, AB047631, AL353745, AF119909, AF159615, AF131773, U78525, AL133619, AL122050, AL137294, AL359583, A18777, AC005876, U83980, AL080150, AL157768, AB041801, AR038854, AK000344, A65340, AF130066, AK000603, A32826, A30330, A32827, A30331, AL355701, AK025708, I66342, AL080148, AF030513, AX006092, AB034701, AF061981, A90844, AF177336, X80340, S77771, AL133084, AK000636, and AP001666.
HDHAA55	547	799518	1 - 1553	15 - 1567	BF948738, BF434018, Z97653, and Z97653.
HDHEA33	548	847044	1 - 1667	15 - 1681	AL514150, AL522729, AL513592, AL530368, AL521079, AL513596, AL521078, AL513591, AL524794, AI986072, AI344343, AL526704, AW149543, AI199218, BF980037, AL514149, AL530059, AW167223, AW005751, BF439195, AL526735, AL527793, AW519137, BE388177, BG170770, BE792672, BG164903, AW411441, AL515342, AI571283, AW276343, BF972521, AW575607, AL529981, AW571465, BE312779, BE221261, AL529982, AW575121, BE278913, BE892189, BF972769, BF025926, BE871618, BE293053, AA917336, BF477688, BF312876, AI381039, BE727639, BG164349, BE395780, AI401053, BE887986, AW270828, BE563439, AW411442, BE274646, AI590704, BE385496, BG168143, AW964323, AI445234, BF183088,

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HDHEB12	549	610260	1 - 683	15 - 697	BF530750, BF931923, BF926696, BF926693, BF530894, BF932587, AF217412, AB040913, AF217411, AF217413, U41663, AJ239319, AJ239319, and AJ239319.
HDHEB80	550	809087	1 - 719	15 - 733	AL514473, AL514691, AL514627, AL513779, AL513907, AL515191, AL513631, AL514919, AL514087, AL514543, AL513597, AL514791,

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HDHIA16	551	701976	1 - 666	15 - 680	AI693740, AW954134, AW663637, N53517, AL119290, BE671719, AI653753, AI393663, AA252900, R69201, D61677, AA086299, AA253306, F09441, R36959, R15778, R36958, AA385851, BF341056, AI339313, R24357, BF341908, N53427, BG029829, AL514919, AL514627, BE929131, AI678355, AI537677, AI344817, AL514691, AL514473, BE929132, AL515191, BE047852, BG260037, AL513907, AV682222, BF883916, BF827575, BF925729, AW827228, AI929108, AV760856, BG179993, AI468872, AV725442, AW999049, AV756619, AI699011, AA706095, AV758822, AV758592, AL040241, BF751299, AI680162, AV722452, AV755459, BG026746, AV727799, BG109270, AL513977, AL036631, AI890223, AI270183, AL041772, BG180996, BE876029, AW827206, AI567360, AW302988, AI269862, AI627988, AL514357, AL119863, AL513991, AL036901, AL040169, AV655645, AW983783, AL513631, BG109131, BF526020, BG257535, BF856052, BE886844, BF089679, AV681859, BG249582, BE885353, AI889306, BF092710, BE878735, AV731584, BG058398, AV681630, AV682252, R36271, AI446373, BG110684, BG027280, BF213155, AI815855, AV716075, AW190042, AI922676, AI648663, BF970449, BG113299, AW073994, AI889953, AW673679, BE888689, AI922901, BE886827, AW827204, AV757455, AA470491, AI249962, AI610115, BF812933, AI538085, AW132001, AW088903, AI682743, AW827175, AV764282, AI862144, AW088134, AI287326, AI679504, AI539771, AL513755, AI812015, AW079572, AI802542, AW081255, AL119791, BG163557, BG112718, BF793187, BE045182, BE887982, AI491852, BG029667, AI520809, BF792961, BG111846, AI478123, BE907440, AA464027, AW050522, BE876539, AI281772, BF812960, AL514155, BG163618, BE874133, BG120816, AL036736, AI921248, AI632408, AL036274, AV758217, BE544111, AI933589, BE877326, BG118199, AW847410, BF753027, AL513779, BF885675, AL079963, AV758110, BG031815, AI702406, BE890131, AI521012, BE910373, BF965053, AI635492, BF885081, AI475371, BG222103, BF965936, AV704350, AV681675, AW827249, BG112239,

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HDHIA26	552	637575	1 - 1647	15 - 1661	AC022858.
HDHMA71	553	684448	1 - 1322	15 - 1336	AW974472, BF964692, AI631210, AW294775, BF573249, BF437696, BF515237, BE866060, AL120594, BF691253, AL120589, BF208136, AW966320, AI982951, AI458150, AI242315, AI041496, BF221561, AW020608, H99704, AW050496, AW594750, AW469149, R64240, R68611, AA648759, AA339622, D61976, AA193546, R64137, AA035304, AA828960, AA034954, AA663669, AV681848, AA934786, BF208063, Z70762, AL121865, AC009822, AC019299, and AC025918.
HDLAL94	554	843583	1 - 3555	15 - 3569	AW274697, BE880908, BE676472, BF949509, BG032269, AA922226, BF769475, AA939344, AI079331, AA621363, BF241369, AA430064, AW473362, BF102696, AI129394, N48364, AW516540, BE870485, and D17091.
HDPAB86	555	901851	1 - 2060	15 - 2074	AL524661, AL535002, AL524662, BE622566, BG251761, BE897001, BG105206, AI114692, BE876142, BF347493, BE874266, AI628547, AW196869, AW008204, AI924993, BG180598, AI949382, AI890913, BE301793, BE089977, AW613268, AW190907, AI983089, AI862739, AA610594, AA100219, AW057656, BG117706, BE908130, AA587600, BE966689, AI810787, AA171834, AI435642, AW244060, AW518356, BF507398, AI968793, BF326992, AW270448, D19683, AI915178, BF088999, BE074944, F24299, AW591758, BF088989, BF754600, BF149116, AI784001, AA248861, BF888927, BF889002, BE177593, BE090135, AI741406, AW935805, AW935803, AF244135, AJ272197, AF116631, AC004253, AC003041, and AC005532.
HDPAE80	556	778068	1 - 1996	15 - 2010	AL533448, AL516133, AL535055,

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HDPAQ86	557	612855	1 - 1412	15 - 1426	AW082552, AA704393, BE154789, AW957372, AW968356, BE350261, BE154726, AL049539, AL139109, AC006270, AC008551, AC004706, AC005840, AL109758, AL137013, AL357752, AL137787, AL163301, AC011815, AL160033, AJ011930, Z94801, AL133240, AC009953, AC024947, AL136980, AC022493, AL049794, AL049835, U96629, AC003029, AC018816, AL391839, AL163201, AL157931, AC006482, AC002288, AC002351, AC005244, AL139812, Z93015, AC068999, AC004125, AL109939, AL035669, AC004234, AL356513, AL138759, AC009079, AC016395, AC008471, AL445435, AL135924, AL157877, AL096677, AL117334, AL158828, AL158159, AJ251973, AC009481, AL133480, AP001731, AC004104, U80460, AL390039, AC005192, AL138761, AL136319, AC005905, AL160231, AL158824, AC005703, AC005229, AC018719, AL137918, AC004980, AC013429, AP001724, AL136504, AL133445, AC010087, AL009174, AC007000, AC002525, AC004552, AC006071, AC004491, AC008774, AC009510, AC006050, AL445669, AC004531, AL035427, AC006017, AC007878, AC012309, AC005158, AP001675, AP000688, AL163300, AC003100, Z93244, U52111, AC007671, AC004638, AC004492, AC007099, AC019050, AF205588, Z98946, AC010719, AC022013, AC006006, AC007619, AL035460, AC002357, AL022328, AL163247, AC007637, AL133453, AL022158, AC004020, AL157827, AC007097, AC006430, AL391122, AL033521, AL132825, AC007271, AC007993, Z83838, AL163303, AL139188, AP001068, AP001689, AC019227, AC023281, AL031670, AC018758, AC022401, AC008543, AC005288, AC004000, AC008736, AC008536, AC018738, AL163278, AP002533, AC004883, AC073325, AC019230, AL021397, AC005846, AL133249, AC009286, AL133411, AL355836, AP001712, AC016597, and AC006515.
HDPBD56	558	791784	1 - 2368	15 - 2382	BE561181, AV651283, BF797982, AV650123, AA682502, AV650052, AI949179, AI590070, BG236184, BE883985, AA699672, AA016186, AI935783, AA046905, AW960199, BE501235, BG058594, AW119033, AI151517, AI261753, AW118715, AV651658, AI151457, AW351802, AW298477, AI475579,

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HDPBN48	559	838593	1 - 1721	15 - 1735	AI083689, BE389727, BE390985, BE388922, BE388453, BE389752, BE410120, BE389948, T05706, BE389145, BE386347, AV738397, AA586423, A61271, A61272, AF134707, AF019887, AP002898, D50410, AC008551, AC003013, AL109624, AL354811, AC009731, AC084693, AP001728, AC004965, AC008764, AL022329, AC006430, AF215937, AC010422, AL049759, AJ400877, AC008738, AC005049, AC005210, AC008676, AC008676, and AC008676.
HDPCG79	560	691350	1 - 1567	15 - 1581	AL535189, AI633229, T82628, AW514699, AA612855, AI174372, BE280878, BE297955, BE901018, AL533632, AU127380, AL536443, BE731067, BE909752, BF308222, AA931550, BE266395, AA280318, AK022812, AC019327, AC019327, and AC019327.
HDPCV29	561	567228	1 - 1212	15 - 1226	T86850, T86849, AF130343, AC010197, AC016651, Z82216, AC006155, AL031585, Z98172, AL121877, AL035464, AL354793, and AL031116.
HDPDA36	562	827283	1 - 3826	15 - 3840	BF574664, AI378402, AI580140, AI073591, AW043598, AA948035, AI183427, AA876144, AI434314, AA861325, AA598436, AA001743, AA001934, AI074581, AI056824, AA450207, AU149065, AA609945, T28621, AA931963, BF930512, BE895435, R39256, N78699, W07035, F10835, BG111771, BF693920, AA210789, AI289487, AI472452, H24752, N77949, W20368, AL522434, AA911121, AA036943, AA558593, AA436626, AA523154, AI783999, AA613800, AA780089, F09873, AW084433, AI271874,

					AI128737, AI872861, AA470944, AI827414, AA523357, AA541444, AI309214, H17855, AW591145, AI446335, AA406135, AI803241, AI161258, AA024600, AW512767, AA150023, H54296, AI682897, AI206503, AA534877, AA507621, AA581607, AA507661, AI445563, BF437679, AA484872, AA299703, AA062861, BF435652, AA708620, AI074143, W45155, AI768481, H90307, AA894698, AA033778, AA040858, AW513838, AA878983, AW972984, AA897703, AA370510, H97570, AW073957, AI817367, BE857604, AI342179, H57544, AI264162, AI375603, AI311590, AI359712, H22311, AA652878, R97056, AI346631, AW271388, AI095868, T70188, AI720446, AV729545, BE879651, AW977449, AA541656, T90107, H26307, AW894305, H68364, AW602571, H57140, H96367, BG054858, BE065155, BE065379, AW023824, AW079592, AI358771, F09779, AI358770, AA995873, AW382925, AI128182, BF966948, AA652959, AA935420, AA062853, BE858023, AI200810, AA910244, AA973260, AL117656, AC020728, AC010480, D29641, AR078979, AR078981, Y14436, AF014402, AF014403, AC010480, AC010480, AC010480, AC020728, AC020728, and AC020728.
HDPDC59	563	872451	1 - 2229	15 - 2243	AA129718, AA133240, BF509250, AW136977, AL134524, AL119511, AL119399, AL043152, AL043168, AI431323, AI682915, AW193598, AI863210, BF812963, AI804505, AI815239, AI500659, BE883591, AI866465, BG167830, AI815232, AI866691, AI801325, AI500523, AI538850, AI887775, AI582932, AI590043, AI923989, AI872423, AI284517, AI500706, AI491776, AI445237, AI289791, BF811804, AI926593, AW151138, AI889189, AI521560, AI500662, AI285417, AW151974, AI623302, AI539800, AI582912, AW172723, AI284509, AI538885, AI889168, AI440263, AI927233, AI866573, AW058275, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI285439, AI859991, AI436429, AI623736, AI355779, AI889147, AI581033, AI371228, AW194509, AI491710, AI431307, AI440252, AI440238, AI567971, AI866786, AI924051, AI860003, AI610557, AI431316, AI242736, AI539260, AI828574, AI887499, AW151979, AI539781, AI431238, AI539707, AI702065, AL514229, AI885949, AI285419, AI559957, AW089557, AI521571, AI499481, AI469775, AI433155, AI866581, AW074057, AI567953, AI815150, AI446495, AI889191, AI867068, AI952433, AI225248, AI358271, AI798359, AI872315, AI932620, AI698352, AI282249, BF345716, AI371229, AI434233, AI371237, BG120398, BE885490, AI494201,

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HDPFG13	564	637580	1 - 1621	15 - 1635	AU134042, AL134369, BF058293, AW880893, AW880887, AA621725, N67816, BE832810, W03420, AA937154, AI948736, BG166817, AI375475, AI565599, N48790, AA723585, AI040911, AW612960, AA173226, W69978, AI916881, AW131632, N48984, W32190, AI708677, AW881226, N51417, BE857458, AA534505, F36507, AU155156, AW955646, AA216779, AW512251, AV712527, AI826372, AW473778, H56128, BF515622, BE885409, AI700310, AI932476, AA883169, AI084247, AI364560, BE544715, R79794, N62650, R63317, AI053445, AI445815, AU147922, AI056066, AA524832, AI246796, AA501614, AI859834, AW088846, AL045709, BE302974, BF989483, AI061313, AI471815, AW337454, AV762047, BF031479, AI859946, BG164166, AA492313, AV763401, AA857486, AI732151, AI174230, AI979005, AI336054, AA634786, AA666332, AA720732, H98548, AI291823, AV761519, W19764, AW029095, AW613805, AV763343, AA663966, AI865213, AI733856, AW805539, AW020088, AI291317, BF885741, AA602906, AW819626, AW023672, AI039809, AV763240, AW270258, AL046782, AI355587, AI312790, AU153921, AW975095, AI370475, AI354423, AK023349, AC004069, AL162831, AL162272, AL121749, AL035450, AC005013, AC005540, AC007488, AC005755, AL050335, AF317635, AC004867, AC004166, AL133453, AC011495, AC006480,

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HDPFK27	565	825903	1 - 1519	15 - 1533	AA176967, AW979153, T48435, AA826015, AC016821, and AC011010.
HDPFZ05	566	824390	1 - 2171	15 - 2185	BF838866, AI699349, AW204962, AW503822, AA019595, AI243314, AI371175, AW576250, AW182636, AI671874, AI678153, AW968853, AA825663, AA490910, AA836205, AC007285, D83777, AC007285, and AC007285.
HDPGA84	567	833050	1 - 1105	15 - 1119	AW976111, BF438417, BE326988, BF448233, AA947739, BF590341, AI400455, BF845914, BF792090, AI079804, AW615210, AW270919, AI435830, AI452944, AW611916, AA747433, AW207124, AI580309, AI338445, AI272895, AI499408, BF110651, BE467219, BE549725, AI917984, AA282725, BF970338, H01411, H00875, AI565322, H01410, R74104, AA831514, R61345, AW150637, N69359, R74103, H00874, AI739220, R31153, AI864092, BF087200, R31104, BF378961, AA085178, AL513597, AL513817, AL514627, BF724691, AL515047, AI475371, AL121365, BG058208, BG260037, AI815383, BG257535, AL514473, AL513907, AL514791, AL514935, AL045500, AI633419, AL514087, AL513763, BG179993, BF970162, AL119049, AW104724, AL514155, BF726297, AL514129, BG109270, BE048319, AI682743, AL047042, BG031815, AV655645, BE048131, AV682772, BF969494, AI536685, AL513977, AL514691, BG108147, AI580190, AW827203, AV681668, BE048071, AI802542, AL036146, AL515041, AW303152, AV757018, AV654624, AL513803, BF054877, BE881155, AI349772, BE880190, AL036802, AV682249, AV682441, AW274192, AL515373, AL121270, BF107577, AV710479, BG180996, AL514919, BF107573, BF883916, AV723772, AV755668, AI612913, AI906328, BE047863, AV711924, AV682289, BF882343, AV681630, AW080838, AV682252, BG036846, AW071349, AL513631, AL515413, AL047763, AV758110, AL036396, BF968493, AW301409, AV755613, BF981774, AV682476, BF725868, AL046849, BF037097, BE964633, AL514357, BE048179, AI697137, AV723953, AI687728, AI684265, AI445432, AV723204, AI635461, AI613017, AI907070, AI625079, AI250293, AV682266, AV758806, AV757737, AI868831, BF673434, AV682051, AV682222, AI682106, BF795712, AI564719, AW166645, AV733397,

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HDPGR80	568	844812	1 - 2594	15 - 2608	AL523244, AL523245, BG254539, BE910530, BG180053, BE617069, BF981567, BE617583, BE274037, BE869704, BG164635, AI954734, BE782018, BE617262, AI654085, BF447016, BF447063, AV761906, BE842725, BF970261, AI744648, AW958377, AW955354, AA634247, AW813039, AW798311, BF038071, BE617762, BF857558, BF061730, AA534298, BF245088, AA699827, BE773669, AI887741, AA533634, AW368155, D55829, AL523717, AI922138, AW167831, AI279936, BF063761, AW262674, BE537969, BG236145, BE301982, AI423352, AI700418, AA581833, BF437836, AA919148, AA999949, AI126931, AI140149, BF107305, AI801918, AA621185, AI472297, AW449075, AW152232, AI452929, AI372074, BE018185, BE351026, AI475504, AI831687, AI925013, AI373229, AA814095, AI468468, N90517, AI277894, N80236, AI963330, AW662893, AA056038, AI766243, AI186508, AW003316, BE301664, AA453414, AI393716, AA860595, AI590847, AI358097, H58652, AL523716, BE773717, AI796335, AI076909, AI619943, AA601880, AI025797, AA056009, AW594294, BF331953, AI954221, BF771035, AA043013, H19369, BF915647, AI097599,

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HDPGU14	569	832543	1 - 2308	15 - 2322	AL534762, AL514716, AL534763, AU123694, BE748943, AU137576, AU134436, AU139027, AU139181, BE890560, BG167995, BG168051, AU136371, BE892201, BE620505, AW614531, BG260863, BE748622, BE896832, AU137970, BG031559, BG115582, BG168096, AV685497, BF057556, BE894707, BF971025, BE748641, BF978012, BE888645, AV685356, AV688351, AL135061, BE891762, BE889493, BE619363, BE891532, BE892340, BF691082, BF970048, BE890789, BE560253, AV690411, AU138903, AV730389, BF692659, BG180268, BE543755, AV689525, AV698974, BE874890, BG033862, BG164244, BF978974, BG111210, BE868449, AW951747, BE891631, AW994052, BG109049, AV728711, AW574885, AI064944, BE973698, BF211443, BE568796, AV681752, BE738735, BE737901, AW237474, BF185377, BF103661, BF791725, BF210923, BE748096, AV717875, BF240529, BF213315, BE884673, AV717891, BE866646, AV714283, AV717553, AU139687, AV733933, BE748074, BG116151, AV647567, BF102602, AV694807, BF215424, AI302820, BF243856, BF978973, BF573607, BE910644, AA573200, BF573734, AL514715, AV695757, BF977648, BF240630, BF672500, BF540781, AV647577, BE885990, AV734018, AA314021, AW952995, BF977633, BG112324, AU135281, AW955641, BF212150, AV690401, AV647645, AV683995, BF244998, AV694639, AV717822, BF184397, BE872071, BF244747,

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HDPGX09	570	580818	1 - 1357	15 - 1371	AI401654, AW027344, AI808796, AI086605, AI992050, AI937040, AA583061, AA931892, AA843815, AA889272, AI040841, AA872436, AI204032, AI950961, AA480596, AA855152, AA227831, BE255946, AI095890, BE206161, AW972099, AA782497, AA706520, AI804401, AA782819, BF310981, AI042313,

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HDPIE44	571	899328	1 - 4101	15 - 4115	AL528314, AU130887, BE780963, BF966718, AL118570, BE739397, AU126476, AU139315, BF512830, BG115027, BE880693, AI908306, BF791388, BF035925, BF540985, AU122664, AV724420, AI672418, BF665031, BF057158, BF206660, BG120429, BE738855, BF129883, AW959181, BF106186, BF966523, BF213412, AI042351, BF211302, AL042137, BF515714, BF206917, BF031857, BF131974, BF129874, BE514139, AV696443, BF037314, AV661523, AW130577, AA424461, AW130565, AA902916, AU127429, BF677116, AU150429, BF665735, AA983275, AI239435, BE155330, AV705068, BF212900, AV710135, BF432386, BF057834, BF211687, AA461260, AA312396, AI627321, AI160503, N63373, BE502195, AV751301, AI884925, BE468064, BF513143, AV750990, AA186321, BF184200, BE559625, AA749086, AW025721, AU152756, AI418879, AA402517, N26419, AA088855, AI042350, BE268734, AI761107, AI819134, AA678020, AU150014, AA113363, AW341372, BF184441, AI457727, AA649198, BE674349, AA888970, AA580858, AA199866, BE270920, AV649723, H24854, AA100701, AW025691, BE836719, BG010680, BE550985, BE087003, AA326555, R77878, AA424417, AA188173, AL044709, H05951, BF792719, BF930036, N56631, N41679, BF923482, H45855, AI218982, AW779309, AV751002, BE089649, C17343, BF081703, R81295, AA502426, BE646243, BE931964, AW594429, BE676875, R11716, BF748564, H06000, AA460953, BE832883, AV703744, AI265945, AV751157, BE720186, AW021533, T09412, BF849176, AA088766, AA437111, AA336899, BE262777, AA358792, BE155518, H99315, BG166471,

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HDPIE73	572	886158	1 - 2237	15 - 2251	AJ277050, AL047063, AA551582, AC007544, AC009032, AL445490, AL138958, AC005887, AC007193, AC020552, AC005280, Z68192, AC005011, AP001725, AL049631, AF260225, AL121928, AL354696, AL022165, AL161907, AL163248, AL137068, AC010132, AC007225, AL121911, AL121578, AC002425, Z99128, AC023510, AC005618, AC010285, AL139019, and AL139019.
HDPIF35	573	826781	1 - 997	15 - 1011	AJ243524, AA781360, AA398705, BG231646, AA397753, AI709131, AC025300, and AC025300.
HDPIF65	574	847047	1 - 1632	15 - 1646	BE728616, AI792832, BE390947, AW847993, AV656463, AV652571, AV652428, AV652548, AW857055, AW861271, AW861247, BE871959, AU117648, AA311439, BF530318, AV722554, AW847465, AV652526, BE865497, AA700038, BF306313, AW970962, AL442167, AP001694, AC009028, AL163285, AC005531, AC005539, AC007751, AC011230, AP001708, AL356750, AC002402, AL121654, AC007564, AL163202, AP000140, Z97054, AP001760, AP000088, AC009410, AP001689, AP000228, AL138718, AC010627, AL357080, AL022152, AC006337, AC013737, AC006966, AC004896, AC002454, AC016593, AL022161, AP001754, Z82198, Z97205, AP001710, AL160397, AL355384, AL138819, AL135920, AL023806,

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HDPIH25	575	740749	1 - 2715	15 - 2729	BG107624, BF527892, BE279486, BG256460, BF508889, BE385478, AI467928, AW166249, AW778976, AW574997, AI800616, AI925445, AI089415, AW149573, AI024733, AI971414, AI763095, AI589116, AI208223, AA402942, BE408172, AI831378, BE733229, BF736842, AI421651, AA022993, AW675796, AI627244, AA402016, AI302617, AI499636, AI654384, AA037464, AI122588, AI435518, BF508749, AI123001, AA022461, BG166921, BG166708, T56732, AA873384, R54580, AA300403, AA917606, AW005000, AW118396, AI368390, BF342887, AI540616, AI926134, AA427782, AW340843, AW964055, BF800474, AI239802, BF372584, BF755346, R89662, AA353160, AI380605, BF373063, AA825567, AA037549, BF822391, AW444449, AW451465, AW451467, AW594551, AW196237, AK024420, AK024421, AK024494, AK024466, AF284422, AC011895, AK026624, AC011895, and AC011895.
HDPIY31	576	886159	1 - 1964	15 - 1978	AL533296, AU142272, BE560264, BG117407, BE407326, BG116397, BE314927, BE315405, BF205715, AI935180, BE313422, AW965613, BF315382, AI701496, BF727272, BF115518, AI829152, AW474694, H23483, AL040572, AI005000, AA311926, BE297986, AI298282, BE743406, AI675622, AW845300, BF306252, AA037364, AI097581, BF308743, BE296105, AW148771, AI339720,

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HDPJV53	578	815655	1 - 2802	15 - 2816	AI758377, BF368130, BF368118, and AC048369.
HDPJV75	579	745376	1 - 1236	15 - 1250	BF126597, BF059542, BE549836, AA404284, AI039647, AI141264, BF589698, AA256257, AW956594, BG152836, N32220, AI359710, H04854, AI474152, R37898, AA344485, R65633, AV650065, AA256132, BE175199, AW753207, AW966400, AV651671, AF167342, and AB006537.
HDPKC55	580	822869	1 - 1781	15 - 1795	AL524265, AU118851, BF980056, AW131155, BF335331, BF239644, AA992600, BG037204, BE882399, AU126511, AI075697, BE893763, AW193461, BE782280, AW028432, BE256242, BE254093, BF754921, BG003952, H38625, AI721114, BE165911, AA769221, AA370137, H38714, AL524264, AL042420, AI284640, AI334443, AA478355, BE672637, AV740801, BF347791, BF347740, AV760207, BF677892, AI963720, AW303196, AA613203, AW500125, AW301350, BE253048, AV762959, AA758366, AV760937, AV763354, BF668217, BG036665, AL042853, AI538852, AV761498, AL119691, AV762064, AV739452, AV764307, AV763670, BG060148, BG249643, AA581903, BF806176, AW193265, BG059568, AV760777, BE297262, BG059450, AV735370, AV762098, AV764530, AV762139, AV761362, AV759505, AL038705, AW103758, BE049139, AV757425, BE150580, BF991286, AV763633, AV763550, AV763971, AI431240, AI312309, AV762397, BG222267, BE160727, AW833862, AA812281, AI252274, AA584195, AV762111, AI744826, BF725315, AV733627, AV764578, AW502975, AL041690, AA514854, AV760057, AV762395, AA720702, AV760378, AI708009, AA468131, AA634889, BE139146, AV761294, AI307608, AA623002, AA531372, AV761188, AI133297, AV761608, AI754253, AW268300, AV763558, AV733029, AI932493, BF914859, AW072923, AL045053, AW419237, AV763540, AV762050, BF916517, AW960468, BF942454, AV762505, BE902562, AV761843, AI799642, AV764398, AA503475, AV759329, AI281881, AL046205, AV759274, AA664909, AV763255, AV761786, AL043009,

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HDPKD16	581	897304	1 - 2472	15 - 2486	BE858776, AW365711, AU122142, AU147802, AI493766, AI144542, AA644054, AI861948, AI978642, AA029298, W74496, W79093, AI242605, AA029837, BG001595, AI377055, AW883970, AW884115, BE735881, AA514639, AW079416, BF764710, BF766687, BE833074, BE061344, AW992275, AW884044, BF809296, AI095830, BE828357, AA150120, AI868029, AA026882, AF117708, AK022344, AJ297405, A94721, AF134149, AF281303, AF281302, AC005625, AC002300, AC009362, AC020552, AC004876, Z55211, U52112,

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HDPMC52	582	847049	1 - 540	15 - 554	AV710643, AA682496, AI749928, AA166695, AI871491, AA906714, AV712599, BE972339, T87299, R16882, D79690, AV712475, BF875951, BE241489, AV653767, AW937906, AW936139, AW936132, AV712496, BG222749, AX044406, AF134715, A79054, AF132600, AF186114, AF116456, AF136293, AX047489, A79061, and A79062.
HDPML04	583	822851	1 - 1408	15 - 1422	BF678641, BF673274, AI436608, AA503473, AI733856, AV759199, AV759972, BF725844, AI858864, AI002744, BF680286, BF805088, F12561, BF897060, AL022144, AC005522, AL109843, AC007242, AL132855, AL109743, AC053467, AC024075, AC004805, AL049576, AL158832, AP000512, AL161670, AL031847, AC006011, AC008687, AC004815, AC011895, AC006468, AC002351, AP001760, Z70280, AB009589, M59488, AL121601, AL391839, AL022329, AC004686, AL021154, AC011450, AC006486, AC020913, AL121891, AC005562, AC005305, M57965, AC005837, AC006312, Z97054, AC011495, AC004973, AL022476, AL356244, AC008812, Z84480, AC011497, AC004263, AC002553, AC008569, AC005899, AC006960, AC010510, AC002558, AL445220, AC002126, AL157791, AF045555, AC027319, AC004771, AC009087, AC004897, AL035684, AC011462, AC018797, AF196971, AL121928, AC008551, AL139352, AC023051, AL117352, AC006430, AC009600, AC004840, AC002072, AL050349, AP000113, AC008745, AC005952, AL035587, AC004531, AF135116, D49558, AF168787, AC007298, AC005180, AC003076, AP001747, AC004583, AC006333, AL135927, AC007227, AL160175, Z83845, AL049631, AL136112, AC008264, AL050335, Z98257, AC010203, AJ243213, AL031311, U78027, AL133545, AL135926, AL162615, AP000350, AC020904, AC005081, AC006329, AC004019, AC011475, AC005225, AL138958, AC006213, AC016025, AC018682, AC004811, AC005754, AC008925, AF243527, AC006451, AC004963, AC035150, AL450226, AL035422, AC007679, AC011469, and AC004655.
HDPMM22	584	683899	1 - 1167	15 - 1181	AA476976, AA436350, BE169639, AA429414, BF112103, AL040988, N77493, AA888475, AV708698, AA731705, BE062451, AW893846, AI146754, AW900465, AW893845, AW073434, AL109939, AL138758, M87652, AL138832,

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HDPNC21	585	839263	1 - 1416	15 - 1430	BF510732, BE973733, AW383767, AI655892, BE390657, AI700968, AI041186, AW675515, BG027778, AI478872, BE502597, AW262727, AW299601, BE349971, AI084873, AA884892, AI984129, AI183489, AI264533, AW511277, BF221881, AW966607, AL038932, BF195254, AA948493, AI936079, AA921907, AI183451, AU152663, AW449401, AW452805, AI700105, AI825707, AA905480, AA844508, Z40614, AI051120, T32893, BF509930, N67694, AI687341, AI473143, AA962376, F09334, BF205027, T36227, F07558, AA724182, AA639576, W31531, AW296890, AA904211, T69761, T70746, AW104193, AW970588, AA371988, H90326, AW970958, AW970064, N58301, AI160786, AW162128, AV703785, AI636734, AA644090, H63660, AA568204, AA570740, AA483606, T95623, AA877992, AV695478, AV720318, AW969743, AI268019, AI985108, AV759632, AV719889, AA630535, AV760915, AA857812, AL120282, BF772806, AV763067, AV760508, H71678, AA788592, T74524, BE300991, BE501670, BF526964, AW166824, AV754716, BF991881, R82650, AW813890, BG055660, AK023110, AC006115, AC007225, AC004883, AF196972, AC020913, AF134726, AL353802, AC004383, AC011484, AL034405, AL353748, AC006994, AL031727, AL109843, AL035405, AC005225, AL121675, AC002472, AC006285, AC008812, AC007425, AC005696, AL138976, AL121916, AL031311, AC004840, AC007690, AL121914, AC005086, AL138919, Z83826, AL135839, AL355365, AL035587, AP001731, AC007993, AL157818, AL031295, AC004263, AL049820, AC005520, AC005972, AC018764, AP000501, AL050309, AC007597, U47924, AL162430, AP001718, AC006449, AC004099, AC010311, AC008569, AC005746, AL031774, AL136979, AC004699, AC008567, AC002565, AC006026, AF207550, AC007193, AC004990, AC007707, AL031447, AC002551, AC006965, AC005231, AC004858, AC004966, AC083863, U89335, AC005048, AL031984, AL035458, AC002457, AL391839, AC004166, AC006581, X87344, AP000030,

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HDPNJ26	586	852338	1 - 1705	15 - 1719	H97952, AU150602, AA745961, AI688902, AA581433, AI811494, AW571697, AA843874, AL119355, AW190486, BE148974, AW130042, AV719347, AW167319, AW089655, AU118990, AF074627, AW177120, AI264673, AA152091, AI685116, AA493998, AI561208, AI924175, BG059728, AF063514, AL133942, AA189081, AI927861, AU121759, BG169215, AI858607, BE176566, AL038713, AL137994, AW089864, AI761656, BE646447, AI887321, AI827133, AA160519, AW440317, AI439860, AI925647, N64727, AA773359, AV719696, AU157470, AW177231, AI801377, AI872415, AW151307, AW589529, AW090210,

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HDPOD73	587	876202	1 - 783	15 - 797	AA478514, AA478515, BF904346, AV717475, C00579, AI708851, BG250789, AI581139, BG110768, BE885131, BE876652, BF925392, BF347269, BE879516, AV716506, AA640563, R81679, AA367920, AL046227, BF573089, BE147051, AL524561, AI433131, AW117882, BE547031, BF997228, BE899610, BG111850, BF343022, AI754257,

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HDPOT33	588	892319	1 - 1854	15 - 1868	AL524800, AL531396, AL531395, AL523755, BE563768, BE563675, BE737127, BE563117, AL524799, BE735444, BE736512, BE513111, AW170589, BE736080, BE784398, BE737412, BE735817, BE304729, BE718090, AW950993, BE790338, BE718077, BE549206, BE736881, BE616539, AI283522, BE718071, AW080570, AA630981, BE736320, AW084220, BF379265, AW273155, AW026961, BE786482, BE718073, AI816999, BF437236, AI393874, AI990453, BF939229, AI635233, AI936152, BE549016, AW028306, AI826933, AI356959, AW630132, AI056515, BF908571, N74607, AW131199, AW131191, AI283954, AW613861, R91904, AW206474, BE718088, BF915311, AI806888, AW085747, AW028467, BF915499, AW438644, AW793006, AI571681, BF914535, BF915617, AW170384, AI874173, W00882, AW800456, R94371, AI033545, AW292600, BE545863, R08410, BE714418, AW591193, BF589543, AV693370, AI936210, AI382241, BE546161, AI064910, AA228864, AW973030, BE737320, R92737, AW054644, BE718080, BF354993, AA532458, AW804907, AA078365, AW801010, AI289471, AW084790, AW084896, AI270093, BF876794, BF325726, BF154465, AA715246, AW292712, AW793792, AV693364, C00005, AU076520, AL514757, AL514773, AL514829, AL514869, AL515035, AL515225, AL514939, AL515043, AL515375, AL514885, AL514843, AL513961, AA309803, AL121564, AL514763, BE905408, BG111916, BF913616, AI541056, BG166490, AW129230, BF039003, R08409, BF814447, BF970652, BG254139, BE906646, BE963519, BG179993, AI633125, AI491775, AI473536, AW827276,

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HDPPB70	589	874027	1 - 2430	15 - 2444	AU121983, AU142011, AU140553, BF310789, BE298155, AA780275, BF308182, BF305747, BF589646, AA524472, BE814909, AI796214, AI800089, AI620874, AW119178, BF445851, AW292287, AU147700, AI493093, AI521627, BE836137, BF055031, AI376017,

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HDPPC19	590	561937	1 - 672	15 - 686	AL391094.
HDPPE05	591	809109	1 - 1098	15 - 1112	AI802780, AW853906, AA974383, AI655799, AI745171, AW992963, AW293743, AW467016, AW328076, BF197643, AW168207, AI739521, AW073890, BF445276, BF195887, AW002703, AW161625, AW157477, AW157176, AW328075, BF062308, AI631661, BF592846, BF064207, AW090343, BF058376, AA738238, AI906428, BF434171, AV727102, AL529794, BE245923, AI656482, AV741325, AA249074, AI991472, BE939226, AI653282, AW515714, BE550597, BE907907, AV737576, AI652717, AI654896, BE699651, BE550526, AW393827, AW393832, AI203310, AW390900, BF992488, BF380615, BF849932, BF757841, BF875870, BF800851, AW590658, BF760689, AA776677, AW390889, AA381902, BF765948, BF204206, AW364462, BG028717, BF435033, BF773555, AL529793, N93494, BF800870, AW993096, BE720164, AC004493, AB016089, AB016088, AB016092, AF201422, AF161338, AL121891, AC004491, AC004477, AL096791, AC004493, and AC004493.
HDPSA70	592	722216	1 - 1240	15 - 1254	BE178114, AW294999, AI741173, W81246, AI431774, AI356618, AI478836, AI858030, AW572403, AI400430, BG166067, AI087828, AI097624, AV720768, AI308106, AI307651, AI923929, BG121201, AI452787, AV717879, AI634314, BG122081, AI393799, AV683269, AA641454, AA045278, AW296617, AI754038, BF983388, AW827310, R71942, AI492462, D79255, AV696160, AW956122, BE504993, AW470495, AA045404, BF239652, W81710, AI569987, AA665686, BE178096, AW957405, AI285407, AW271172, BF670711, BG122036, AW609385, AF098066, Z84488, AC024657, and AC024657.
HDPSS56	593	847051	1 - 1226	15 - 1240	AV699469, BF446668, AV699812, AI346806, AV700001, AV699811, BE465447, AI681423, AV724510, AV700424, AV700425, BF001314, AI953344, AV700572, AA477265, BE182680, AV700576, AV699810, BF110903, AV699780, AV700125, BG060077,

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HDPSZ07	594	784681	1 - 1323	15 - 1337	AI989355, AV711811, AV713456, AV713329, AV712260, AV725577, AV725031, AV733767, AV699269, AV727618, AV715898, AV733915, AV726337, AV708520, AV745940, AV763230, AV725618, AV708786, AV725582, AV709580, AV726194, AV653353, AV716216, AV728743, AV729424, AV763985, AV704626, AV759285, AV761360, AV713333, AW955629, AV704144, AV651897, AV725441, AV725321, AV708872, AV706223, AV652001, AV726590, AV662242, AV762836, AV759241, AV743111, AV757269, AV652528, AV703632, AV725255, AV756644, AV728404, AV764428, AV726830, AV764028, AV699250, AV735331, AV727822, AV682278, AV725596, AV756617, AV759375, AV740765, AV729597, AV699223, AV703168, AV729473, AV661369, AV660258, AV660096, AV733258, AV757882, AV660516, AV727314, AV746276, AV705047,

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HDPSZ07	596	897740	1 - 1323	15 - 1337	<p>AI989355, AV711811, AV713456, AV713329, AV712260, AV725577, AV725031, AV733767, AV699269, AV727618, AV715898, AV733915, AV726337, AV708520, AV745940, AV763230, AV725618, AV708786, AV725582, AV709580, AV726194, AV653353, AV716216, AV728743, AV729424, AV763985, AV704626, AV759285, AV761360, AV713333, AW955629, AV704144, AV651897, AV725441, AV725321, AV708872, AV706223, AV652001, AV726590, AV662242, AV762836, AV759241, AV743111, AV757269, AV652528, AV703632, AV725255, AV756644, AV728404, AV764428, AV726830, AV764028, AV699250, AV735331, AV727822, AV682278, AV725596, AV756617, AV759375, AV740765, AV729597, AV699223, AV703168, AV729473, AV661369, AV660258, AV660096, AV733258, AV757882, AV660516, AV727314, AV746276, AV705047, AV738231, AV763278, AV650367, AV708347, AV707640, AV662268, AV706662, AV681736, AV701596, AV702781, AV709880, AV699156, AV726755, AV651075, AV707401, AV661286, AV702673, AV702581, AV707556, AV727625, AV727139, AV755608, AV705312, AV713377,</p>

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HDPTI49	597	847052	1 - 1710	15 - 1724	BE048233, AK024569, AC005229, AL355385, AC005884, AC008403, AL109897, AC084732, AC005280, AC020906, AC004967, AC002565, AL121757, AC021016, AC000353, AL139084, AL121776, AC011495, AL353748, AL121985, AP001710, U91321, AC019181,

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HDPTP22	598	826725	1 - 1505	15 - 1519	AI471753.
HDPYE25	599	636058	1 - 1094	15 - 1108	AV723365, AV723503, AA468769, BF768322, AI721000, AA323792, AI343497, AI695332, AA488309, AW890001, Z19690, BF803697, AW151974, AL048323, AW151132, BG252929, AW151136, AI434242, AI539771, BE897632, AI537677, AI494201, AI500659, AI242736, AI815232, AI801325, AI500523, AI538850, AI582932, AI923989, AI284517, AI872423, AI500706, AI445237, AI491776, AW151138, AI521560, AI889189, AI500662, AI567971, AW172723, AI284509, AI889168, AI440263, AI866573, AI633493, AI434256, AI866469, AI805769, AI888661, AI284513, AI888118, AI859991, AI436429, AI889147, AI355779, AI554821, AI371228, AI440252, AI866786, AI860003, AI610557, AI887499, AI590043, AW058275, AI371251, AI866465, BE885490, AI433157, AL047282, BE886728, AI890907, BF812963, AW858243, BF812438, AI866510, AI559976, BF811804, AI923046, AL048340, AL047422, AI539781, AI500714, BF726204, AI358271, AI887775, AI559957, AI491710, AI539800, AI538885, BG029667, AI431238, AI801286, AI581033, AI285419, AW192487, AI828574, AI539707, BG110517, AW089557, AI521571, AL042686, BF904176, AI648567, AL040844, BG104735, AI432644, AI440260, AI289791, AI804505, AI815239, BG257535, BE883591, AI866691, BF795712, AI926593, AI274759, AI285417, AI582912, AI927233, AL042572, BG167830, BG180295, AI866458, BF885082, AI285439, AI433976, AI623736, AA838230, BE011880, AI431307, AI432666, AI440238, AI623302, AI872300, AI431316, AI539260, AW151979, AI702065, AI885949, AW194509, AI582910, AI469775, AI282249, AI366900, AI866581, BE537531, AW074057, AI567953, AI815150, AI446495, AI952433, AI867068, AI225248, AI521596, BG166490, AI698352, BG122277, AI371229, AW197139, AI499325, BG113712, AI889191, AI275175, BE875243, AL045500, AI499463, AI567944, AI610362, AI267162, BF032768, AI440239, AI500683, BF727352, BG261116, AI537273, AI436456, AI371265, AI866461, AI963846, AI567940, AI610357, AI817244, BF968504,

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HDQGD06	600	838076	1 - 1565	15 - 1579	BF981338, AW083101, BE867790, AW080809, AW151128, AW516192, BE909495, AI860367, BG255918, AI889693, AI912399, BE293369, AI889667, BE858877, BF507346, AI807965, AI571533, AA913366, AW373838, AI379207, AI057295, AI860625, AI077326, AI052763, AI269510, AI367019, AW182136, BF514082, AW628285, AI537226, AW371793, AW188719, AW852750, AI936590, AI554521, AA614728, BF816364, BF816356, AW373843, AA810214, AW295691, AA826187, AA632247, BF877007, AW001274, AA807525, AI417934, AA250815, AA812075, AI566364, BF354248, AA825480, AA765152, AA588234, AA730281, BE069904, AW449708, BF974117, AA761459, AA835960, AA811114, AA835989, AA613426, AW844927, AW844512, BF348573, AA586884, BF920672, AA776890, M78233, AY007125, AC004923, AC004923, and AC004923.
HDQGD06	601	852673	1 - 1547	15 - 1561	BF981338, BE867790, AW083101, AW151128, AW080809, AW516192, BE909495, BG255918, AI860367, BE293369, AI912399, AI889693, BE858877, AI889667, BF507346, AI807965, AI571533, AA913366, AW373838, AI057295, AI860625, AI379207, AI077326, AI269510, AI052763, AI367019, AW371793, AI537226, AW852750, AW182136, BF514082, AW628285, AI936590, AW188719, AA614728, AI554521, BF816364, BF816356, AW373843, AA810214, AA826187, BF877007, AW295691, AA632247, AW001274, AA807525, AI417934, AA812075, BF354248, AI566364, AA825480, AA765152, AA250815, AA588234, AA730281, BE069904, BF974117, AW449708, AA761459, AA835960, AA811114, AA835989, AA613426,

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HDQGD06	602	881280	1 - 1567	15 - 1581	BF981338, AW083101, BE867790, AW151128, AW080809, AW516192, BE909495, BG255918, AI860367, AI889693, BE293369, AI912399, AI889667, BE858877, BF507346, AI807965, AI571533, AA913366, AW373838, AI379207, AI057295, AI860625, AI077326, AI052763, AI269510, AI367019, AW182136, BF514082, AW628285, AI537226, AW371793, AW188719, AW852750, AI936590, AI554521, AA614728, BF816364, BF816356, AW373843, AA810214, AW295691, AA826187, AA632247, BF877007, AW001274, AA807525, AI417934, AA250815, AA812075, AI566364, BF354248, AA825480, AA765152, AA588234, AA730281, BE069904, AW449708, BF974117, AA761459, AA835960, AA811114, AA835989, AA613426, AW844927, AW844512, BF348573, AA586884, BF920672, AA776890, M78233, AY007125, AC004923, AC004923, and AC004923.
HDQGN08	603	840588	1 - 1946	15 - 1960	AA778143, AW338021, AA702618, AW082651, AW082117, AL037910, BE142930, AL039187, AI872503, BF724877, AI859834, AA663966, AA484143, BE676900, AA557486, AA503258, AW021597, T47739, T74524, AI979005, AA435967, AW873417, AI783911, BF964699, AV763418, AV759935, AV764104, BE150087, AI864500, AV762136, AI151407, AL045709, AL034548, AL080243, AL121656, AJ277546, AC005225, AC005527, Z83840, AC007999, AL389874, AC011742, AC007391, AL049759, AC027644, AL034372, AC005971, AL050306, AP001713, AL022324, AL022318, AJ297357, AC006038, AL031985, AL031311, AC009298, AJ295844, Z84466, AC008044, AC011455, AL133551, AC009481, AC009228, AC006285, Z95116, AC005839, AC007193, AC026473, AC004859, AF152365, AC005355, AL031390, AL035458, AC008821, AP001725, AL096701, AC004686, AL163249, AC005288, Z84480, AC002350, AC009307, AP000555, AP001759, AJ009616, AL031577, AL031432, AC008403, AL356575, AC005070, AL354720, AL050308, AC011475, AC004966, AL162430, AF111168, AC024082, AC026161, AC009756, AC034186, AC008372, AC004019, AC004841, AP001727, AC008543, AL139100, AD001527, AC005703, AL078581, AC016602, AC008569, AL022163, AL109824, AC005519, U80017, AC002366, AC005247, AX039602, AD000812, AL109614, AC004890, AC055740, AL109743, AP000359, AL034405, AC007684,

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HDQGO62	604	837353	1 - 1063	15 - 1077	BE562779, BG035450, BE893487, BG105281, AI114644, BE893143, AV684576, BG112255, AA699466, AA878228, AA314626, AA482495, AA133382, AA203566, AV698604, AW375961, BG029290, BE384262, AW044322, BE260016, AI660143, AI002164, AA677563, BF213238, AI167417, AI076460, AI494602, AI983933, N36909, AI961766, AI566849, AW069332, AI741708, AI381523, BE081350, BG113738, BE045153, AI418960, AW084654, N46186, AI417873, AI973147, AA133341, AA644458, AI554356, AW751708, AI276516, AI081817, AI139435, AI360740, AI709276, AA991188, AI000490, AA875867, AI040795, BF312062, AA779505, AA482645, AI089763, AW946905, AI039024, AW072966, AI630945, BE827186, AI540307, AI857394, W80609, AI016655, W80608, AV698717, AA679091, AI621128, T92864, H12646, Z25122, AI581616, AW952577, W20194, AI700142, AA335842, AI735116, T72567, AI263007, N90549, AW628526, AI204402, R54967, AW768321, AI272046, AI817602, BF509036, BF687569, AI523405, T92599, AA490161, H90725, AW799699, BE463685, BF197418, AA464646, H90720, AI886415, AI242248, AI679098, AI301046, AW020397, AI800464, AW020710, BE970508, AI917963, AW269097, BG180273, AI955117, BF840674, AI336513, BE543089,

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HDQPM16	605	886161	1 - 2040	15 - 2054	<p>AL533606, AL533837, AL520632, AL534227, AU122232, AL534320, AL534321, AL533607, AL533045, BE250066, BE745734, BF528024, AL520631, BF341118, BE250062, BF969719, BF970063, AU118651, BF796039, AL537901, BF688902, AU141241, BF970450, BF206011, AU137683, BG164834, BE747532, BF309304, BF968924, BG256395, BF683973, BE908060, BE379295, BG024515, BG112801, BF346754, AU142949, BE731196, BF314093, BE293831, BF686263, AU117188, AW247213, BE299289, BF528897, BG251587, BF129023, BF128633, BF683563, AA932920, BG026660, BF972999, BF688677, BF976020, BF971180, BE618135, BG260347, BE255891, AW994419, BE819433, BG026744, BE819439, BF237921, BE788819, BF684658, BE819435, BF128570, BE898693, BE788877, AW853572, BF345309, BE395486, BF037925, BE298487, BE884293, BF036645, BE898535, BE259272, BF663567, BF663908, AL035940, BE870199, AI819491,</p>

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HDRAA17	606	567439	1 - 774	15 - 788	AV759664, AV763165, AV716232, AV714174, AV715219, AL532984, AV713583, AV764588, AV716231, AV717089, AL532784, AV762346, AV759105, AV763809, AV758330, AV701382, AV760339, AV711191,

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HDRAC68	607	608173	1 - 768	15 - 782	AV713583, AV715219, AV758330, AV714174, AV763165, AV762346, AV759664, AV759105, AV717089, AL532784, AL532984, AV716819, AV764588, AV701382, AV716232, AV716231, AV716473, AV755357, AV711191, AV756331, AV715360, AV710416, AV711192, BE748817, AI207682, AV710426, AI114651, AV758331, AV761988, BF679742, AV760255, AV710433, AV763809, AV763741, AV756673, AV764468, AV761310, AV755454, AV760339, AV733598, BF965317, BF965301, AV735236, AV710845, AV756651, BF666508, AV733458, AV733562, AV758297, BF965374, AV763336, AV763689, AV762062, BF675989, AV758031, BF691696, AV710638, BF670456, AV756999, AV760352, BF965208, AV701162, AV756997, H75980, AV734671, AV760981, AV756787, BF965362, BF672798, BF965014, BE439821, BF679701, BF102627, AV757746, BF679081, BF679158, AV710308, AV652199, AV761765, AV755470, AV764436, AV717378, AV761536, AV758999, BF105290, BF681327, AV761687, AV714292, AV701345, AV710171, AV758009, AV710518, AV759966, AV710860, AV759319, AV710958, AV759147, AI132961, AV761499, AV761887, BF029846, AV764036, AV710587, AV764445, BF680139, AV759144, BF680382, BG104689, BF679138, AI133690, BF670621, AV733186, BF576345, AV763468, AV710328, BF574438, BG105236, AV710259, AV733593, BF679315, AV709993, AV734689, BE748347, AV763442, AV762489, BG116130, AV763667, BF678989, AL036115, BF575627, BF681317, BF679955, BF965307, BF680051, BF678350, AI909708, BF679061, BF126364, BF126438, BF698033, AV763466, BF382061, BF576362, BF126387, BF679788, BF681358, BF680747, AV758925, BF678752, BF679911, AV647674, AV701146, AL037828, BE890052, BE967472, BF574784, BF105834, AL037375, AV735027, AV710779, AV732947, BF105259, BF694694, BF694925, AV763381, AV701333, BF965255, BG170703, BF126358, AV681935, BF126526.

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HDSAC78	608	596810	1 - 1373	15 - 1387	AA678920, AA662917, AA001920, AA001944, AA807205, AA741519, AA491553, AW025280, BG055085, BE814382, BE814383, AA502305, H51266, AW496826, AA808642, AI682129, AA010111, AA347643, AI921521, AI085519, AA877069, AI569734, AA001139, AL117356, AB029149, AB029150, and U71598.
HDSA37	609	603518	1 - 531	15 - 545	AI884448, AA449955, AI537365, AI676253, AI372912, AI382076, AW840570, AI679072, AW515007, AI273983, N46260, AA565581, BG056334, AW193226, AI915591, AW268393, AI922781, AA836877, AW241264, AI928559, AI129884, AA443895, AW341634, R66549, N95436, AW514323, N64460, AW302356, AI891026, AI087015, AW517675, AW840396, AU149236, AI610422, AA429214, AI628488, H66739, AA888180, AA746039, AA913077, AI926224, AI299065, AA738493, AA493387, AI129773, AW084418, AW007829, AW192218, AW172713, N65966, AA742411, C01708, AW516464, N71032, AI129495, AI348515, AI245885, AI610829, AI138737, AI138741, AW084377, AI784021, AI951055, AA826478, AA983385, W73381, AA826526, AW075328, F10424, AI806420, AI302133, AI185836, F15856, AI138743, AI589031, AW070352, AW771451, T28473, AW243679, N55529, W81416, T72814, AA063600, AA582325, AI418726, N73753, AA699883, AW439037, H42969, R39173, H92074, AI208405, AI247207, BE965435, AW873791, H28576, AA468813, R94164, H08667, BE621889, W68125, BE621787, AV690793, F06581, AI332688, AI624721, AI640277, AA927406,

					AI366491, AW194503, AA961183, N81029, N80311, AL163302, I51045, AF018082, and AF018081.
HDSAM57	610	834822	1 - 910	15 - 924	AW021583, BF668217, AA610491, BG109996, AW969629, AW833862, AV763540, AA581903, AW501386, AW419262, AI284640, AL118991, AL119691, AW303196, AI133164, BF677892, AW301350, AW274349, AV740801, AA665330, BE154617, AA569471, AI334443, AA720702, AL041690, BG058664, AA587604, BG249643, AU147104, AI801482, AV735370, AW062724, BF970654, AV652936, AW518220, AW969988, AW472872, AV682003, AV728928, AI144101, AI623720, AA521323, AW023672, AI801591, AV759274, AV763971, AV761489, AW474160, BE154719, AI434695, AV762111, AW974932, BE674881, BF130107, AI345418, AI457597, AI890348, AV760395, BE049095, F36273, R17793, AA649642, AI457397, AI379719, BG179731, AW148507, BG236735, AI754037, AV757607, BE672637, AL040921, AI754336, BF475381, BE872393, AA521399, AL120008, AI635819, BF918640, AU147800, AV759204, AW819125, AL046205, AV735495, AW965052, AI564185, AL138455, AV762395, BE208673, AF063563, AI281881, AV761362, BF940837, AA491814, AV725627, AU144015, AW238278, BG171422, AV760937, AW630298, AV763354, BE042649, AV762098, AW238583, AI017251, AV742057, AV761745, AI754253, AW407578, AV760777, AA552856, AW772780, AV764329, AL047427, AF074677, AW956640, AI471572, BG109567, AV761106, AI610920, AA488746, AA164251, F28204, AA470969, AI076616, AV691147, AW576503, AV710770, AW021917, AI017415, AW662543, AW473163, AI696955, AA847499, BE350475, AV763255, AL138265, AW148792, AL038705, BF592200, BG118285, AL044940, AV763847, AW964335, N75391, AL048925, AL133448, AF015149, AC008745, AF243527, AC006552, AL138976, AL022316, AC008372, AL031577, AL137060, AC004228, AF077058, AL109627, AP001752, AC011895, U57005, AC010854, X75335, AC004821, AC005972, AC008543, AL110115, AC004905, X55924, AC005726, AL031257, AC008639, Z98884, AP000556, AL118505, AC007957, AC083866, AC005919, AC011455, AC011480, AC004770, AL034451, AP000557, AL031774, AC008623, AC024168, AL136298, X55923, AC019060, AL031282, AC005197, AL049588, AC003108, AP001732, AL035086, Z85986, AL136297, AC007617, AL133467,

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HDSAO14	611	847054	1 - 1419	15 - 1433	AV727057, AV701902, AV701747, AV726054, AV654327, AV654711, AI525852, AV702277, AV708524, AV705252, AV702502, AV681688, AV655665, AV702916, BE439570, AV725767, AV728144, AV655936, AL531623, AV726921, AV727470, AV728252, AV705411, AV726806, AV726469, AV705012, AV707667, AV728259, AV701616, AV729480, AV703608, AV708535, AV708162, AV702065, AV729244, AV728722, AV728117, AV701758, AV703278, AV703611,

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HDSAO64	612	603519	1 - 463	15 - 477	AI921844, BF059522, AA722495, AW070425, BF059570, D19663, AI419749, AW378202, AW362613, AW378207, AA284703, AC024708, AC024708, and AC024708.
HDSAP15	613	772712	1 - 1843	15 - 1857	AL533126, AI928228, AI986295, AW052146, AI808522, BF575470, AI767642, AW025345, BF061092, BF528772, AL533127, BG260542, BF977985, AA772078, AA858427, AW469286, AW953365, AI554864, AI683456, AI582689, AA806625, AI680274, BF209841, AW614818, AI745623, BF591069, AI041921, W67223, AI831295, W86505, BE565407, AW958118, BF669695, AI699876, BE219995, BF817549, AA251571, AI240206, BE049368, AA236388, AI216491, AI245175,

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HDTAR39	614	847055	1 - 1253	15 - 1267	AU150626, AU150769, AU154120, AU144558, AU148338, BF743176, BE879921, AI963406, AW512673, AU152673, AI033461, AI079443, BF746040, AI635517, N62684, AI801181, W90026, AI242171, AW576234, BF746043, BE881574, W16994, W17018, W76600, AA846957, AA431971, AA011098, T79258, AV705204, N80458, W73013, AA426060, BF668217, AA491814, F36273, AW265009, BF827410, AW276817, BE047069, BF793766, AA581903, AI061334, AI307608, AV740801, AL048925, AI613280, AV764307, AW833862, AW193265, AI679782, BG059869, AW265393, AA843450, AL119691, AI344844, AV763255, AI431303, BE042649, AW407578, AA469451, AW088616, AI350211, AV761786, AV762111, AV760937, AL046205, AV735370, BE049095, AI801600, AL046409, AI567076, AI281881, AI336660, AW517377, AI814735, AV759274, AA623002, BE139146, AW438643, AI341664, AA877817, AV703682, AA714453, AI053672, AI345654, AI312309, AA513141, AW276827, AI568678, BE350475, AV762826, AW501386, AW500125, AW327868, AI589230, AW769399, AI368745, AI375710, BE677379, BE147093, AI801482, AU147800, AW339568, AW474299, AW473163, BE046438, AW965008, AI860020, AV710066, AW338086, AI688846, AV763354, AW576391, AI570261, AA448231, AA452563, AI374809, AI962050, AV764241, AV762139, AV762050, AI251436, AW193432, AV764211, AW872676, AW419262, AI471481, BF725504, AW960468, AI133102, BG056088, AI298710, AV760624, AW467735, AV759382, AI619997, AI240168, AI160117, AW502975, AA635105, BE044854, AW504669, AW029038, AW270270, AW088202,

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HDTAS57	615	664482	1 - 901	15 - 915	BE740032, BE898283, D78844, BE743612, BE746513, BE163800, AW402327, AW402886, AI824576, AW983691, AW983703, AI624548, AI493576, AL513723, AW827289, AI633125, AL039086, AL080046, BF872365, AI866127, BF914102, AI887430, BF792961, AI627988, BF970652, AW583714, BG029829, BF968910, AW167918, AI802542, BF727034, AW081231, AI281867, BG179993, AL080045, BF727091, AW190194, AW079572, BF814527, AW090393, AI927755, AI241923, AI288305, AI758735, BE544111, AW089471, BF812960, AI884318, AW162194, AI677796, AW243886, AI473536, AW983829, AW169653, AI537837, AI916419, BG164558, AW151714, AI917123, AW827206, AI619502, AV710199, AI499285, AW880037, BE048135, AL040243, AW051088, AI868204, AW089310, BF061283, AW951263, AI569583, AI433157, AI638798, AI702073, AI554821, AW983832, AI470293, BG122481, BG058150, BF812961, AA833760, AI251221, BF812938, AA225339, AW152182, AW129230, AW169604, AW118518, AW148356, AW081036, BF680133, AW983706, AI564247, AI491775, BF970768, H89138, AL036396, BG109270, AI500061, AI446684, AW162118, AI612759, AI567582, AI890223, AI538564, AI270055, AW198090, BE895585, AI587606, AI538850, AI366900, BG035511, AI862024, AI923989, AW054931, AW196299, AI680388, BG108406, AI440263, AI269862, AV741327, AI635067, AI431424, AI568138, AA983883, BE910373, AI500706, BG034550, AI280607, AV756393, AI961589, BF895953, AI589267,

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HDTBP62	616	665417	1 - 1344	15 - 1358	AI797144, N36816, AW005535, BG110880, N27796, AI741568, AW014247, AI805958, AI435043, BE045429, AI689088, N20927, AA706609, AI452392, AW867808, N24902, AI074713, AI129932, N46034, N32952, AI087344, AA456557, AW997098, AA478833, R60008, AI033379, N32297, BF477820, N36024, N23219, AA846574, AW674030, AA807771, AI247577, BF475296, BE670271, AI934330, R44169, N42624, AI243905, AV738613, H72945, BF973442, AA258424, H72545, BF446718, H26875, N30401, BF062479, AI681100, AA296588, T88731, AA564205, T93617, AW275463, AA258466, W95724, AW664810, AW970387, T93664, AA534555, T84264, AA535064, BE774193, AA233853, BF371242, R39378, R39394, N47069, BF326091, AA515514, AA232794, AL514455, AC010285, AC011506, AC069072, AC069072, AC069072, AC015991, AC015991, AC015991, AC015991, AC069415, and AC069415.

HDTBQ77	617	587295	1 - 1321	15 - 1335	AW590139, AI672186, AW518585, AI474146, BF814449, AI363741, AI570966, AI686073, AI677797, AW089844, BE962485, AA587590, BG025096, AI421662, BE890041, AI689470, AI954721, AI345415, AW078689, AL040528, AW132071, AI431962, AI859123, AL037602, AI628214, AL037582, AA806534, AI952920, AI879377, AW152195, AI050666, AW080157, BF726173, AI932739, AV711924, AI538850, BG026746, AI630947, AW007833, AV713517, F37537, F33315, AI674234, AI863665, AW005029, AW021091, AV648430, AI359787, AI624693, BF811802, AW071689, R81679, BF213611, AV760409, AI370322, AI440444, AI963191, AV728276, AI357996, BG255493, AW008226, BE876713, AV757591, BE965187, AA832154, AI890391, AI582900, AW151714, BG255770, AW087934, AI345612, BF812963, F27788, AI280661, AI539800, BF997967, BG028429, AI590755, AI345416, AI858874, BG181093, BF925370, AI648458, AW167215, AI473799, AI799228, AI674862, AI583578, AI358590, AI250627, AW020425, AI270039, AI884303, AA190918, AW956384, BF751299, AW827285, AL135024, BG120493, BF530177, BG111312, AP000081, AL355365, AC006197, Z94277, AC005291, AC026888, AL034400, AC024247, AC008269, AP001731, AP001624, AC019222, AC019222, AC019222, AL354723, AL354723, AL354723, AC053511, AC053511, and AC053511.
HDTDA48	618	809110	1 - 918	15 - 932	AI682383, BF058603, BF229146, AI992213, BE696074, AI810850, AW138289, AW051377, AI970847, AI167412, AW972996, BF590194, AI435950, AI334122, Z44451, AI436007, AI640203, AI251020, R32133, AW008658, F12169, R32149, W42896, T78298, AU153642, AW779905, AA007662, AI860760, BE467143, AA565447, BE182178, R54351, AA676223, AV691645, R54352, BF055976, AI869011, W42781, BE673477, BF477724, BE856088, AI817591, AA007625, AA345307, AL044784, AI202423, AW301602, AI435318, BF055171, BF437051, R88725, AI085457, AW899513, AI627861, T65260, BF194898, R32134, AW246259, AI214484, AI571140, N51654, Z45527, AW854210, AW854139, AW854062, AW854078, AA207238, R32150, AA452737, Z40378, AI521005, BE891834, BF895218, H89138, AI633061, AW161202, AW024793, AI961589, AI366968, BG029829, AI366959, AI868163, AI801325, BF531010, BG001235, AW827285, AI687568, AI537837, AI933992, AI868204, AW085786, AL036652, AV742698, AI366974, AV738730, AI284131, N29277, AI345397, AI631216, AW022494, AW020288, BF339322, AI571909, AL039086, AI281757, AW193467, AI270295, AI752007,

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HDTDE66	619	610074	1 - 683	15 - 697	<p>BF525338, AA573785, AV657500, AI421829, BE439672, AW602040, AW860522, AI889106, AI815098, AI444641, AW082282, AW602036, AW151910, AI688082, AW251068, AI935867, AV682818, BF803392, AI660665, AI342309, AI301940, AI336447, AI559518, AA974182, AI625318, AI636809, AF063527, AI469758, AI216199, AV652658, AW571542, AI336445, AI476296, AW869448, AA865622, AI272699, AW939116, AA903732, BF815382, AI832439, AW939111, AI908555, AW079674, AV693996, AW276067, BF342450, AI290972, H41084, AI865986, AI659188, BF433428, AV657785, AI333305, R76336, BF804890, AI590410, AI914585, H12385, AW886586, AV715407, R94963, AA639087, AA987621, AW768254, C20912, D45438, AV654089, AW613578, BF806092, H70884, AI274107,</p>

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HDTDG75	620	799892	1 - 597	15 - 611	AI090005, W93821, AA935570, AA954561, AA902133, H77593, AI478467, N24102, AI675237, AA700892, BE274970, BE274596, AV711390, AI244920, and AC024603.
HDTDS09	621	651320	1 - 662	15 - 676	AW247172, AL519513, BE792196, AV707687, AL529133, AV706886, AV705566, BF568898, BF690553, AL528318, AA843927, AI951855, AA861765, AI885457, AA984067, AA523404, AI937350, AI475790, AA131344, AI870237, AA410200, AA523386, AA857433, AA716195, AA527149, AI143901, AA582827, AA576760, AA434425, W93644, AA292979, AW007438, AI359464, AA132484, AA307845, AA932517, AI559671, AI460344, AI925699, AW471278, AA812309, BE855479, AA984085, N41008, AI031993, AA131233, AI027713, BF941091, AI696904, AW083822, AI749028, AI090571, D56251, AI051840, AI951744, AW088073, AA477741, W60671, AA479040, AA410846, AA622594, W93904, AA308717, AI358675, AA398066, AA453179, AI124889, AA478115, AA235620, R59350, BF725598, AW665775, H40767, H18360, AA781312, AI206564, AA757983, AA434198, AI083763, W60672, AL047640, AW510314, BE394425, BE208662, AA017307, AA481343, H07927, H54439, H20698, AA027939, AA504030, AA477522, H85840, BG152531, AA536122, BF939422, AA017552, R55712, AA436399, AI262602, AA595557, AV747463, H21242, BE206700, AA404682, H19959, AA910947, R81633, AW135458, BF346295, R61823, H46841, AW169717, R71855, AI580747, D52938, AI202158, AA902892, AI675426, AI971191, AA321261, AI826721, AA863430, AI198058, AA453994, T17338, AI688424, AI969949, AA043907, H54528, N89797, AA251081, AA551767, H20133, R71801, H20699, AA302385, H38437, AA385904, R48584, AA877345, T32134, AA564309, T17334, BE936323, T32102, BF956569, BE838786, AW605244, AI364137, BF897605, AA203288, AA284122, AW190043, Z40858, BF870245, R48687, H19960, F04007, T19067, H20287,

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HDTFF53	622	637591	1 - 558	15 - 572	BG056487, AU127211, AU120951, AW152140, AV714159, AW148854, AA669103, AU149143, AI081164, BE326758, AI823680, AU146104, N45220, N50863, AU157623, AI819552, AA772465, AI357072, AI243439, AI287615, AI041875, AA806198, AW338221, AU155408, AA418914, AA974142, AW302345, BF939532, AI984738, BG032818, AI027802, AI983168, AI709380, AA903560, AI242317, AI083595, AU156276, AI439877, AI719887, AA954852, AA830274, AV738407, AA931087, AA996316, AA830534, AA744833, AI199746, AA994336, AI367496, T51937, H17947, AA522552, AA523538, N64600, AA604069, AA876636, AI299975, AI719894, AI749328, AI276387, H97418, AU119873, R45561, AA912273, H89126, AA526442, BG230793, AA028058, AA356315, BE829771, F09004, AA665259, AA307195, BE349314, AA426578, AI288433, BF028479, AV737654, BF913322, AA604866, T18902, AI588898, AI147796, BE817965, AA335776, R71014, AV727825, AA243497, BE826166, AA639077, AA836439, AA639167, AW118500, BE836877, BF109537, BF679452, BE836866, H13718, BF094186, BE243751, AI984411, AV739641, BF102782, H13671, AA844611, AI783478, AA243809, BE817968, AA731057, AU117591, AA862240, BE538399, AW129732, N90258, D20450, T24696, AW903152, AW189346, AL040404, AW020290, AA492514, AI500104, H38744, AW071174, BF213671, BE939965, BG107064, AW953801, AV684328, BG260386, BE541825, AA502418, BE771105, BE940011, AL031775, AK022681, AL133264, AL031775, and AL031775.
HDTGW76	623	862012	1 - 2221	15 - 2235	AV719015, BF115150, AI754069, AI632330, AA515656, AI341831, AI167414, AI379515, AI634554, AI379233, AA907250, BE464348, N78733, AA041476, AI951129, AI431313, AW977857, AI475292, W16643, AI801201, AW440799, W16645, N78735, AI470824, AI300030, AW440761, AI802172, BF082070, AW440743, AI695158, R78670, AI913436, AI872350, AA808357, AI698460, AV715284, AW190518, N59175, R32610, BF383104, D62095, AA330059, D60196, AI380195, AA927396, BE157325, R32500, AW504048,

					AV648922, AW504107, C21290, AK025155, AK026300, AX033848, Y08459, AP002005, AP002005, and AC023668.
HDTGZ56	624	800756	1 - 1462	15 - 1476	AW102851, AA219059, AI285709, AI783494, AW130446, R07119, BF901147, AP000066, AL359434, AC004686, AL135927, AC007227, AC005666, AC004447, AL354864, AJ277546, AC006480, AC018663, AL109754, AC005755, K03021, AC004216, AC005056, AC006483, AC005088, AC011455, AC004491, AL162578, AC008569, AL122001, AC007565, AC004983, AC002310, AC003108, AC004865, AL158830, AC004131, AC005052, AC007216, AL121776, AC020916, AC006329, AF053356, AP001629, AL161725, AL133355, AC004965, AP000356, AC005522, Z84484, AC004821, U91321, AC018719, AC009413, AC006141, AL022320, AL132656, Z98044, AL031587, Z85986, AC004526, AC005280, AC005049, AC008395, AC005081, AC005519, AC004967, AL080245, AC008635, AC007731, AC020917, AF024533, AC007304, Z77249, AL031010, AC018758, AL022316, AL035419, AL161670, AC007957, AC004089, AC004409, AC005412, AC007221, AC004659, AL031659, AC009032, AL355392, AC011895, U62292, AL109955, AC002119, AC005527, AC005837, AL157877, AL121893, AC005236, AL136418, AL162724, AL034380, AL096791, AL133500, Z93016, AC000353, AP000008, AC006012, U63721, AC004813, AL132855, AC005015, AC005902, AC020626, AC008753, AC005089, AP000704, AC002472, AC018633, AC006071, AC002094, AC011445, AC007850, AC008267, M89651, AC004996, AL162458, AC002425, AC010422, AC007367, AC021999, AL121751, AC005529, AC005694, AF196972, AC020754, AC002115, AL031681, AC010605, AP001717, AP000045, AP000066, AP000066, and AP000066.
HDTHZ85	625	886163	1 - 582	15 - 596	AW749827, AU122533, AI658864, BF062983, AI827947, AI868879, BE179004, BF917770, AF038238, AF038239, AA481172, AW577376, BG168696, BE964812, AI349004, AL514919, AI873731, BF724691, AI281779, BE887488, AI568870, BF817392, BF343172, AW301409, AL135661, AI521012, AW827249, AW274192, AW103371, BG058208, AI440426, BG151247, AW074993, AL040243, AI349772, AI312152, AW148320, AI349937, AI500077, BE966388, BF882343, BE963035, AI567351, BE781369, AW089572, AW268253, AI345735, AI433976, AV710479, BE048071, AI857296, AL513911, AI499131, AI597750, AW071349,

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HDTIM39	626	886164	1 - 1721	15 - 1735	AL538469, AL531965, AL518189, AL515612,

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HDTKJ29	627	840023	1 - 1374	15 - 1388	AI189791, AI684587, AV715976, AI310126, AV713864, AV763925, BF036411, BF968896, BF128924, BG170547, BE222956, AV715267, AV758546, BE410537, BG170489, BF000801, BF671419, AA610052, AI186697, BF675694, BF700725, AI751250, AI188971, AW969490, BF541893, AA906201, AW958036, AA019739, AW955986, AW009062, AW955984, AW806525, AI361312, AW264561, AA887119, AV713790, AI268976, AA971980, N29995, AA088862, AI580662, BF215853, AI261311, AA019783, BF681045, AA575958, BF920846, AA904689, N28787, BF971170, AI784506, AV682353, AA494063, AI654089, AA838000, AA555150, H66403, BE874627, AA886637, BE871319, AI800634, BF512652, AA018103, BF335535, AA833673, W01156, AA809439, AV709540, AA482137, H78462, AA970480, AW189948, AI419770, AI806808, N40196, BE621190, AA059058, AA809455, R40381, AA532665, H86516, AI538082, AW514695, AW935333, BF673955, AA887381, AV711815, AA059290, T50287, AA303718, BF085894, AI083552, AW082117, AV744457, AL138455, AL042753, T47520, AV760466, AA369499, AV762395, H86396, BE765444, AV762645, AA054140, AV741671, BF305380, AV763971, AV759518, AV763418, H86494, BF337291, AV759935, AV760391, AL045709, AV760389, AL037910, AV682003, AU147922, C21487, AI799084, AA469072, BE252421, AI933491, AV760560, AW302048, AI821467, AA994578, AW962942, AV712414, AI754291, AI924702, AI016704, BE676900, AI284583, AI473701, AV713291, AA935534, AV763401, AA468322, AW502949, AL042853, AI370475, AI810236, BE142930, AL138431, AV730245, AW576287, AI053786, AI963720, AV761745, AW263864, AI952900, BF681465, AI341548, AV733352, AA484143, AI334443, AW975164, AI753037, N58823, AA634291, AI623899, BF979071, AL042756, BF796375, AI343143, AA603323,

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HDUAD68	629	607564	1 - 790	15 - 804	AW977384, BE671465, AA931323, AA856725, AA765976, AI754443, Z94721, AL133458, AL133458, and AL133458.
HE2AC74	630	859609	1 - 3250	15 - 3264	BE613159, AL521199, AL521198, BG170083, BG111761, BG167107, BG034471, AW952040, BG117193, BG260922, BE910271, BG171558, BG249554, BF340256, BE886252, BE905957, BE876653, BG033787, AV734250, BE893101, BF691264, BG165517, BG112557, BE622963, BF213427, BG027489, BE612998, W72378, BF978115, AI346892, AI052720, BG260997, AL048993, AA173550, AI022641, BE567109, BG032773, BF970988, BE622131, AI633680, BG108200, AW268372, AA436895, AI858528, BE968422, AA745724, AI373723, AI347458, AW573229, AV706906, AA010179, AI561128, AI570052, AA155860, AI589103, AI051932, W30755, N70295, AA535026, BF216564, BE003313, AI695528, AA742699, H12661, AA702660, BE883714, N56966, AA436541, AI684309, W74088, AA402936, AI559674, N20796, AI055880, BF577345, AW342023, AW778999, N34489, AA603715, BF154540, W47181, BE536683, BE328786, AI591023, W04241, AI283791, T34619, N47346, AW276851, AA155962, AA137241, AA846650, W69892, AV719057,

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HE2AC74	631	901343	1 - 4403	15 - 4417	BE613159, AL521199, AL521198, AW936890, BG111761, BG170083, BG034471, BG167107, AW952040, BG117193, BG260922, BE910271, BG171558, BG249554, BG167240, BE905957, BF340256, BE886252, AW936891, BE876653, BG033787, AV734250, BE893101, BE380118, BF691264, BG165517, BG112557, BE379683, BE885204, BE622963, BF213427, N32508, AV702936, W72378, BG027489, BE612998, AI346892, BF978115, AI052720, BG260997, BE958485, AL048993, BE882698, AA173550, AI022641, BE567109, BG032773, BF970988, BE622131, AI633680, BG108200, N22738, AW268372, AI858528, AA436895, BE968422, AA599481, BF107239, AA745724, AA420853, AI373723, AA420435, AI347458, AW573229, AV706906, BF573168, N42722, AI561128, AA010179, AI570052, AA155860, AI589103,

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HE2AC75	632	600397	1 - 310	15 - 324	AI458439, AW628265, AI950298, BF059667, AI383683, AI680657, AW470535, AI680679, BF433612, BF508144, AI620616, and BE930849.
HE2AI94	633	772542	1 - 751	15 - 765	AI192457, AI292168, AI922928, BF439610, AI743714, AU117801, BE857988, AI619758, AA775223, AW271789, AI191448, AU155830, AU155508, BE463495, AA034398, AI670825, AU144655, AW242488, AI435471, AI129551, AU158070,

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HE2AT61	634	834039	1 - 839	15 - 853	AL134876, BE888163, N93417, BE897200, AA133375, AW316629, AI417520, AW275804, AI470244, AI984081, BF003093, AA121249, AW104977, AV712745, AW662853, AA725597, H94651, AW138278, AI245374, AA732779, AA705837, AW193298, AW612807, AI766705, N62806, BF114878, AA456052, AA455414, AA626934, Z40411, N71055, AI636294, AA035495, H09072, AV718692, D80253, AV718489, D80219, AA035078, AV724520, D80210, D80240, D51423, D80134, AV719783, AV718844, D59619, AV720731, AV718681, AV720464, AV742001, D80193, D59275, AV722801, AW973447, AV744934, AV745080, D80227, AV742667, AV741012, D59927, AV699447, AV742720, AV701017, D80391, D51250, AV701043, AV701248, AV743601, AV700229, AV701166, AV700889, AV743008, AV701332, AV744768, AV723927, D80366, AV721784, AV699927, D59787, AV745831, AV744773, D80043, D80196, AV701154, AV701431, AV744771, AV720203, D81026, AV701125, AV701261, AV745724, AV745366, AV745723, AV701012, AV701227, AV720812, AV701118, AV701149, AV719822, AV701163, AV719913, AV745369, C14227, C75259, C01893, AV740535, D50995, C14389, AV737584, AV720211, C14014, AV701428, AV701055, D80045, AV701004, AV701021, AV720150, AV746385, D59889, AV699550, C15076, AV701231, AV701145, AV723097, D81030, AV745488, D80022, AV719324, AV701344, AV746335, D80949, AV700622, D80168, AV699866, D80038, AV718707, D80195, AV745490, D59467, AV746162, AV700495, D58283, D80188, AV701335, T03269, AV701422, AV701143, AV742996, D51799, AV745847, AV701013, T11417, AW959570, AV701419, AW975618, AV744770, AV700086, AV701130, D80378, AV701443, AV742671, C14429, AV718770, AW949642, AI557751, AV721386, AV699682, BE502984, AV745853, AV718800, AV699669, AV701151, AV738934, AV700357, AV745190, T11051, AV719468, AW978634, D80212, AV745588, AV701415, AV745402, AW966053, AV743654, AV745197, AW965158, AW949645, AV738340, AW949653, AW949656, AV720220, AW949629, AW949632, AW949641,

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HE2AX36	635	812337	1 - 1279	15 - 1293	AI768329, AA845414, BG114498, AA876120, AI952072, AI381955, AW103539, AI656552, AI985684, AI743704, AI193599, AW960029, BG231918, AI352493, AI436424, AW513685, BE813330, BE875051, BF666822, AW118942, AW242995, AI521084, AI400995, AA861591, AI283444, AA569972, AI907263, AI147938, AA861706, AA609612, AA164455, AW769344, AA936295, AI185213, AU146885, AI376355, BF667556, BG150484, BF115029, BF694772, AA164454, AA765405, AI399818, AI928126, AA810232, AI375809, AA253442, BG009132, AA573405, AA253441, BF768065, AA128081, C01579, AI470304, BF476162, BE006224, AA126887, AA864370, AA465333, AA813831, AA367084, AV749336, BF848025, AL520500, AA573414, AA969928, AI188018, BE302353, R70179, BE177426, AW080707, BE177416, AI874050, AI933837, AA749454, R46165, R34006, AI559784, AA651927, H88889, AA431610, AI382717, Z28466, R33472, AA249570, AW873513, AI971529, H88890, C18380, AA649336, AF013990, AB011101, AF106069, AF153604, AF106657, and AF105715.
HE2AY96	636	796800	1 - 1757	15 - 1771	Z78377, BE739827, AI080454, AV704089, BE889731, BG170087, AI936815, AI650476, BF981917, AA044661, BG260210, AW778784, AL038706, AW515968, BE155326, AV654034, BE065028, BG119492, BE715996, BF374939, AW071033, BG024420, AV692741, BE744161, BF031460, AI300408, BE880291, AW389886, AW966223, BE250930, AA147878, AW389876, AI818611, AW376006, AI754601, AA478230, BF195018, AA528127, T92912, AW001936, N51968, AI215850, AI421272, BG109214, AI096565, AW152135, AI753043, T92889, T93558, T89314, AW964031, AW389866, T89296, AI141821, AI074438, AA029821, AW338384, AW089600, AI281926, AI752516, BF204950, AA043374, R69929, AI376132, AI220483, AA251672, T92585, AA551443, W73686,

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HE2BD72	637	600349	1 - 685	15 - 699	AI718689, AA523219, H95883, AW962388, AW956077, AV707794, AV706448, AV703460, AV706891, AW962006, AV702109, AW958318, AW962942, AV762957, AW956640, AW963497, AV653153, AW963552, AV725431, AV728425, AV708179, AV702760, AV703063, AV702343, AW963349,

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HE2BH50	638	847056	1 - 1439	15 - 1453	BE612783, AV714585, BF666320, C75683, BE880632, BE887874, BE695911, BE932552, AI377408, AI857934, BG025945, AW024331, AA725652, AI829947, AA454213, BE789978, BE932553, BE932459, AI309773, BE816887, BE932539, BE932447, AW270018, W55909, BE644614, AA861381, BF670186, AA001402, BF696039, AA447415, BG254144, BE932475, BE932540, AI857939, BF968128, AA629424, BF700100, BE646415, AI857941, BE968671, AA858363, AA521350, BE932484, AA454212, BE932439, AI589640, BF245173, AW298803, AV700780, AA447414, W55910, BF195161, BE504467, AA809077, BE816941, BG029271, BG260202, AI475816, N93336, AL533548, BF372428, AI540152, AA523671, BF792635, AA703503, AA629906, AW778874, BE958209, AA431132, AI560791, BF131135, AA861405, AA663419, AW996056, AI139080, AA843632, W95504, AI291233, AI745163, H98623, C75579, AW971769, AI274327, AI027269, AI218737, N93386, BE789099, AI291765, W39740,

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HE2CB53	639	581043	1 - 1126	15 - 1140	<p>AW135413, BF432248, BE348294, AI342411, AW051647, AW959295, AI357458, AI760497, AI651331, AA781093, AW206580, AA251254, AI422368, AA733011, AA910319, AW189184, AI660522, AI440125, AA449756, BE940409, AW410368, AA908520, AA748153, AI332716, AI828592, N64595, W57599, AA043880, AI537296, AA570237, AW028879, AI126346, AA148517, AA782207, AW204415, AW972097, AA976965, W93232, N53238, AA412688, AI149157, AA811355, AW073372, AI610339, AW338889, AA764930, AW189496, AI244150, AI928259, AA425635, AA262971, AI969620, AI924962, AI924984, AI342866, AW316922, AW514535, AI819475,</p>

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HE2CC17	640	566806	1 - 1383	15 - 1397	<p>BE000478, BF923362, AI978775, AW994740, AA709147, W91990, BE009741, AC009180, Z83819, AL133247, AC004453, AL132668, AL031313, AL136125, Z93928, AP001760,</p>

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HE2CJ53	641	637592	1 - 1869	15 - 1883	AI138775, BF206201, AV692052, BE009663, AI160543, BG116032, BE378635, BF326748, BE272132, BE048861, BE895065, AI971564, BF968301, AI073466, BF221831, BF968816, AW771552, AA404214, AI480339, BE512911, AI688937, AA404683, AA557400, AW373805, BE502099, BF245417, AW516672, N23668, AI888851, AI625779, AI632932, BF239443, BF591713, BF970724, AW269485, BE169724, AW269486, AA700480, AI889700, AI381560, AW439318, AW299589, AI204356, AW269484, BG236353, AA700153, AI004948, AI285978, AI033808, AW273361, BF664554, AA161383, D82557, AW303803, AW271843, AI265934, N59616, W15522, AW594221, AV704046, AI612804, D53720, BE501702, BE503984, BF239728, BE710487, AW769118, AA515881, BG025637, AW291646, AA195140, BE090990, BG110560, AA195272, AA195346, BF248062, BF849453, D80559, N22625, AI825630, AA190852, AA007426, AW243227, D80940, AA812584, AI269236, AA190884, AI470952, AA634226, AW474711, AI038706, AW117655, AW970838, W39524, R76638, T89929, H63951, AA813932, AA884056, R91419, W15411, AA523692, AW801320, AI699944, AW801327, BF913695, BE714560, AI302000, AA161382, AA195347, D82547, AA044991, D82494, AW016790, BE710458, H29578, BG112562, BF087968, AI631281, AI189245, AA007425, T98767, W31605, R75684, AI873005, BF818371, D60381, AI905630, AV657826, AW263931, AW337201, H63674, T98768, BF089301, AA579985, T97607, T97560, BF669474, BF089275, AW581124, AW341132, F02232, Z40790, BE540541, H84562, AA044990, AA732611, BE673623, R29401, N78169, AA348483, T40030, AW374305, N67124, BF374344, AW374313, AW889882, D20935, AI554244, BE178033, BE169478, AI824259, AW751353, AA370721, AU138823, AL137760, AK025831, AK002136, U92027, and AR014050.
HE2CK47	642	834924	1 - 2206	15 - 2220	AA527166, AI056674, AW194319, AI767312,

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HE2CM34	643	603185	1 - 418	15 - 432	AI123715, AI276944, AA737766, AW970230, AA534418, AW970316, BE857491, AI423273, AI423116, AW078610, BE768270, AW295131, AA625625, AA909662, AI566154, R21877, BF435937, R43541, R43420, F08947, BE768235, AV710712, BG059768, D62926, AW080868, AI225125, C21387, Z44903, F11394, BF752397, AA575874, AL036638, AI678688, AI225000, BE393784, AL039011, AW195253, AI307557, AI619820, BE965599, AI582966, AW162194, AI590043, BF725126, AI687568, AI684164, AI499279, AI699764, AI249389, AV682467, AV706341, AI888208, AW051088, AI560679, AW079572, AI570966, N49165, BG029058, AW027898, AL080011, BF871314, AA731711, AL043326, AL514529, AI890574, AI537677, AI699823, AV735161, AI471429, AI401697, AI698391, AI250646, AV736995, AW022682, BG114937, AI923989, BG029228, AI539690, AI285439, BF726255, AI491710, AI421149, BG164945, BE439844, AL046466, AW834282, AI434731, BE886790, AW238764, AI224373, AI540458, AI370945, AV682403, AI049733, AI624293, AI686749, N25033, AL134832, AV682366, BG120493, AI523973, AI446515, AI634457, BF306528, BG180032, AI251187, AI370623, AA765198, AI114703, AW071417, AL040161, AI621341, AW151283, AI469516, AW983832, AI471325, AI589428, AA279293, BF572734, AI537643, AI702527, AI859991, AW983829, AI432570, BF107577, BE966699, AI491904, AI147877, AV707541, AI539260, AW059828, AW188525, BG113299, AW169234, BF813177, AI432507, BG029053, AI954293, AI811603, AI539800, AI096771, BE018334, AA808175, AI287476, AW148423, AW023351, AV682124, AI250627, AI537837, AI884318, AV757495, AL039390, BF814357,

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HE2DG46	644	731958	1 - 1785	15 - 1799	BE067425, AA688217, AI433008, AW879550, AI821259, BF874758, BF857083, BF828577, AL042853, AA764903, AW827205, AW843301, N52358, AV733029, AA659232, BE902562, BF764474, AW963750, BE901529, AW022655, AW935121, BG249643, BF337291, BF342223, AI345797, BF874773, BF764476, AL042567, BG029528, AA662117, AI821062, AL042753, AW083846, BF961983, AI133029, BE138599, BF343686, BE277210, AI557808, AI249880, AA618452, BF339483, AA877935, AL135357, AV726091, AV760019, AI208328, AV658084, T27702, AW819125, BE276480, AA853473, AI914923, BF918950, AL138455, AI085242, AW081103, BG261387, AI440117, AW962444, AI805349, AV682853, BE150580, BF676981, AV711465, BF965290, AV733400, BE378571, BE737801, AI821788, AI821745, AC011475, AC009228, Z83844, AC002430, AL035697, AC024067, AL135928, AL022147, AL136304, AC007384, AC004966, Z99495, AC018637, AC012064, AC009955, AC006983, AC003071, AL049795, AC007100, AL353807, D84394, AC005181, AC011484, AC004989, AP001717, AC011751, AC008071, AP001705, AL136170, AC005875, AC005520, AC005280, AC005919, AC004690,

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HE2DI16	645	604029	1 - 1507	15 - 1521	AA810165, AI754653, AA535216, T74524, AW970571, AA720702, AV759632, BF917346, AV763026, AV763058, BF725844, AV756491, AL135377, AW873261, AI284640, AW958962, H07953, AI962030, AV762633, AL041690, AW974932, AW073470, BG010084, AA613624, AW833862, BF826830, AI963720, AA632757, BF589824, AW410354, AA572813, AW505253, BE138594, AW502975, BF681619, AV764259, AV760508, BF854308, AA225406, AI251576, AW970877, AW572721, AI334464, AI344812, AW662543, AI923451, AI635028, AW272294, AI254779, BF868994, AA772906, AV763457, BF828714, AI521525, AI754567, AV756809, AL048626, AV760915, AV757289, AI687343, AA704393, AI583466, AL079734, AL121235, AW193265, BE301584, AW501386, AW500684, AA503298, AA084609, BE019467, BF991286, AV759203, AW500125, AW088846, AV759149, BF727101, AI923458, AC027319, AL354889, AC011742, AC002350, U91321, AC007938, AC005527, AP000049, AP000311, AC020913, AC005783, AC005529, AL117334, AC010463, AP000116, AC008685, AL034429, AP000131, AP000209, AC004816, U91318, AP001713, AL358777, AC002044, AC005736, AC006441, AC004828, AC020908, AL137145, AC004655, AL009172, AC009123, AC018738, AP001710, AC004813, AL353701, Z83847, AL355103, AC005082, AL109823, AL050350, AC005274, AL035671, AL133232, AC007371, AC002554, AL049569, AL136295, AC005678, AC006538, AC084732, AL109824, AP001725, AC005225, AC010150, AC005324, AL133387, U91323, AL445192, AC008738, AL031668, AF285442, AC008760, AC008812, AC003982, AC008273, AL136303, Z95152, AC007546, AC022392, Z83844, Z83840, AP001718, AC068799, AC002306, AC005972, AC005874, AF134471, AC004552, AL157384,

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HE2DJ84	646	746643	1 - 1171	15 - 1185	<p>AL518032, BF792304, BF966763, AW965135, BF796809, BE876847, BE567005, BF969125, AI582348, AA020846, BE868735, BF672588, AA446089, AI831220, AI762512, BF966623, AA449315, AI245992, BF939502, AI765499, BG054719, AA258862, AI037872, AL120396, AA927765, AA972524, AI190558, AI375842, AI421157, N32602, AI087076, AI310973, AW129209, AI761590, N24248, AI051698, AI138323, AA431851, AI039606, AI374782, AI708704, BE677297, AI769219, AA236018, AI356857, BF802556,</p>

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HE2DY23	647	877491	1 - 1635	15 - 1649	AV747567, AA127204, BE378624, BG118538, BE867405, BF944754, BE729239, BF981239, AA487373, BG109303, BE778123, BE869041, BF330975, BE894421, AA084186, AU124289, AA083896, W48615, BE891319, BF963065, BF970664, AV708698, AA888475, AI187732, AL138270, AW105342, AA497043, AI217700, N75789, N22568, N25552, AA515348, AA584870, AA429414, AA706963, BF112103, AA564655, AA361303, AW900465, AI146754, T07502, AL031428, AB011173, M87652, AL049569, AL008637, AC018634, AC018755, AL049832, AF017104, AL031466, AC004079, AC007955, AL161621, AL138725, AC016612, AC002300, AC004087, AL031584, AC016831, AC005046, AL355612, AL359272, AL023581, AC005000, AC018812, AC007272, AL391724, AL050326, AF110324, AC087084, Y19216, AL160253, AP000131, AP000209, AP000247, AP000476, AL353140, AL359641, AL139087, AL033527, AL049693, AK024879, AL021919, Z93942, Z77249, AF293358, AC005725, AP001690, AP001710, AL158050, AL137780, AL008712, AC005191, AC004223, AC005157, AL096827, AL096791, AC066590, AL139187, AC005859, AL031132, AC007597, AC005517, AL121578, AL161672, AL161672, AL031428, and AL031428.

HE2DY25	648	844237	1 - 3470	15 - 3484	BE467087, AV658411, BF674940, AW959911, AI814556, AW172331, AI697843, BF111090, BF062573, AA194149, AA194146, AW965389, W74616, AI755254, AW138578, AI655337, AI753287, W94709, AI128240, BF435656, AI498242, AI753432, AW806648, BE348775, AI689772, AA758915, AW592078, AA903180, H10450, N54303, AU149421, AA642425, AA487432, AI270312, AI073358, AI167329, AA889598, BF114947, AA126824, AI332987, AW241875, AW583264, AI689791, AI362749, AI761951, BF445392, N62879, AI368772, AI370777, H49166, BF475299, AA987614, AI332423, AA127307, AA421057, H99263, AI333792, N77786, AA903009, AV655306, AI802005, W94188, AA235233, AA487640, AA702576, AA768716, AI207967, BE737978, AI435328, T93917, BG222922, N63992, AI275668, H10451, T80943, F09058, BG222086, BG222858, N79670, AW020415, BF244417, T94316, AA872493, H30545, H30532, T93873, AI202889, AA327610, H49083, AW262522, T90382, AA758655, AA778528, AA649251, AA370625, T80942, AA333827, T83121, BE827287, BE547432, BE970086, AW751005, AW751006, N30489, AA021153, BE000247, AA876662, BF088923, AA650537, AW812404, BE066983, AA551254, AA640396, AW610213, AK022729, AX017601, AX017471, AC004216, AC026431, AC004491, AP001714, AC010267, AC007404, Z98941, AC008403, AL035413, AL139421, AC005488, AC008752, AL137787, AC005736, AC008556, AC005522, AL353777, AC016831, AC005899, AL031905, AC007739, AL035410, AC007248, AC021068, AC012614, AL132825, AL132777, AC004794, AP001724, AC002994, AL050325, AL450169, AC005821, AC007151, AC004906, AC000159, Z98200, AA235232, AC018891, AC018891, and AC018891.
HE2EE80	649	847057	1 - 1579	15 - 1593	AV705244, BF978933, AW956294, BF699735, BG252197, AU146959, BF666109, AI801246, AW237844, N71192, AU154208, N21990, AA626652, AV706508, BE768219, BE768214, H29558, R71638, AA372632, R71138, R60955, AI625867, H61234, R36597, R36598, N71875, D62232, BE701241, BE704351, BE701242, H61244, BE833768, AK001646, AL050078, AC012486, AC012486, and AC012486.
HE2EH45	650	581520	1 - 919	15 - 933	BE900507, AW027206, BE379430, AL518793, BE748543, BE739539, BE869963, AA643313, AI609386, BE271679, AI978946, BE735231, BG028840, BG110366, BE877291, AI591084, BE396310, BG169112, BG254156, AI609523, BF976242, BE621306, BG107828,

					BG110700, BG110486, BE253802, AI609391, BG113052, BG026426, BG170674, BE259183, BE793806, AI887502, BE397451, AI583622, BG256452, BE796120, BE292970, BG253658, BE383189, BG260442, BE747298, BE799732, BE871452, BE620340, BE620694, AW081134, BG253793, BE270139, BE730734, BE799351, BE260930, BE779725, BG257129, AI583512, BG163796, AI708322, BE896505, BG117047, BG110510, BG254970, BE548284, BG119378, BE736191, AL518794, BE729963, BE796632, BF570356, BF793845, BG115449, AA629428, BE270143, BE793318, BF570398, BG163878, AA480078, BE540845, BE387700, BG178581, BE873780, BE799402, BE728160, BE560752, AW188541, BF205033, BE782305, BE260679, AW129588, BE795787, BG109136, BF306060, AW411510, BE619027, BE878680, BG248096, BF304935, BE541747, BE782890, BE867881, AI819160, BE730169, AI611474, BE539068, BG109409, BE254739, BG107074, BE735331, BE783072, BE895864, BE876522, BE894102, BE619068, BE781383, AW130706, BF026121, AW411511, BE889984, AA831481, BG179434, BG163883, BF306185, BF237455, BE258759, BE619687, AW069739, BF309690, BG104776, BG170914, BE887421, BE903502, BF680306, BF304777, BE784580, BF965653, BF347839, AW025884, BG110120, BE908559, BF673563, BE535317, BF309380, BE777594, BG111065, BE877709, BE891357, BG108492, BF204763, AI669364, BF718766, AA631875, AA643327, BF974424, AI608595, BE727745, BE786582, BE879439, BE875420, BF305706, BF308341, BF129044, BE887920, AI207419, BE378362, BE280381, BG253697, BE250176, AW473170, BG106697, BG122571, BE898471, BF685360, AA167423, BE867763, BE545369, BE250258, AA167409, BE539054, BE963831, BE257682, BE312624, BF975050, BG255072, BE928619, BF212992, BE294894, BG025883, BE621752, AA669432, BE885603, BG036792, BE439912, BG028270, BG115282, BG025402, BG033566, BF793022, AW105300, AA075495, BE392554, AA576013, BE619774, BE563558, AA576010, BF978537, AA167424, BG025556, BE907902, BE887522, BE901558, BF973507, AI439185, AW029270, AW651797, AI633043, BF974498, BG122558, BE547703, AA630530, BF224161, BE391626, BE269801, AW003598, BE886185, BE970115, BG029201, BG104274, BE882326, BE540037, AA634785, BG168380, BE778010, AA075385, BE394041, AA147757, BE887263, BE394765, BF569912, AA420508, AI131428, AW662489, BE891220, BF795887, BE220741, BG163548, BG251496, BF797211,
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					BF307430, AI744945, AI889590, BE410567, AF113210, U14966, AL049757, AL136109, AL162740, AC010486, AL109939, M17419, X06148, AL023802, AL357052, AC008279, AC025759, U76609, AL157817, AB017651, U66590, X83590, AF007880, U66589, A65888, AL133031, AF130087, AK000614, AL160000, and AL160000.
HE2FE89	651	780314	1 - 1671	15 - 1685	AA196322, BF575344, BF574288, BF791238, AI684982, AW606573, AA196325, BF673000, BF670851, AI341656, AA430209, AI335965, AI352121, BF692947, BE645371, AI201986, AA211614, AI470238, AA192750, AW451625, AI452745, AA194513, AI682432, W73816, AI991816, BF673140, AW451000, AA211704, AA836809, BF574573, W67963, BF670460, W67269, AA693871, AA192303, BF790277, AA253484, BF694699, AA443846, BF790234, F36701, AA086432, AA086443, BF790512, AA927795, AI352240, AA248635, N75829, F19083, AW966601, BF670969, BF573979, BF672223, F30123, F00752, AV654977, AV655000, F00161, AV654988, AA649555, AV654987, AA649529, AV654999, AA501424, AV655011, Z25079, AA211430, F19673, F00106, Z25213, F18666, AA253314, BF574033, BF672492, R17931, BF574775, AA526262, Z19383, AA385000, F29125, F00241, BF744784, F00738, BF992838, AW859439, BF528297, AA192774, BF695121, BF671184, BF670305, BF820649, C03535, BF790574, AU140357, BF671400, BF692846, F33877, W68020, BF350885, BF574895, AA328360, BF672581, AA095973, AA708845, F00157, W73850, W67384, BF791025, BF573820, BE546350, BF672143, BF671453, BF576830, BF670353, BF576684, BF693662, BF695333, N87272, BF111777, BF694590, BF693457, BF693460, BF575736, BF575771, AW163359, AB016587, AB016588, AF061258, U48247, AP001968, AP001968, AP001968, AC025086, and AC025086.
HE2FR49	652	714456	1 - 512	15 - 526	BE171964, BG253577, AW474317, BG255616, AV755592, BE162826, AW877209, AW804686, U46341, AW392670, AW861944, BE695785, Z99396, AW372827, BE705905, AL119497, AW604723, BF868687, AW858526, BE705903, BF868697, BE705906, AW858525, AW577135, AW384394, AW861889, AW858455, AW861954, BF868684, AW363220, AL119496, AL119443, AL119341, AL042965, AL119483, AW604726, AL119396, AL119319, AL119418, AL119457, AL119522, BE705904, AL119324, AL119363, AL119484, AL119391, AL119355, U46351, AL119335, U46350, AL134518, AL134538, AW979212, AW975037, U46349, AL134920, AL134531, AL134533, BG059382, AW969885,

095008 09101
"160" 8005660

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HE2GB19	653	566808	1 - 1568	15 - 1582	W07749, AW139095, AI822121, N80689, BE676746, AI635513, AA701596, AI732279, BF592822, AI797369, BF062011, AI206972, BF589156, AI825609, R52055, R53021, BG180503, AC005154, AF131216, Z93023, AL136298, AB032969, AL035070, AL109659, AL135901, AC073486, AL035398, AL022397, AL355838, AC004403, AC004989, AL035704, AL450170, AL033397, AC021049, AC004673, AL121776, AL021391, AC010198, and AC002086.
HE2GO81	654	688043	1 - 254	15 - 268	BE350594, BF447288, AI378511, AU153362, AW614382, Z28840, AW614309, AA641881, AI276949, AI755010, BF062289, AI611646, AI652385, BF056615, AA034069, AA703075, AU146532, AI949847, AI559931, M85811, AW956104, AW956103, BE719083, AA587947, AA284869, AC018712, AL157701, AC020681, AC020681, AC018712, and AC018712.
HE2HB61	655	798113	1 - 741	15 - 755	BE645530, AI806902, AW384008, AA196050, BE156266, AI014696, AA195796, AI088567, AI421504, BF575665, AW450261, BF672086, F25935, W67459, AI278001, AW384001, W58654, BF790359, BF826047, W67458, F22663, W95432, F22056, F28677, F27909, BF126287, BF694738, W56735, F29875, F18827, F19563, F33725, F22551, AA196465, F30315, AI126997, F22314, F35047, AA913855, BE156338, F32532, AA112042, F21617, F21679, F30181, W58333, F31620, F31798, AA662898, F31795, F28482, F32755, F31839, BE156335, F34625, AW051121, F25217, F21605, F26159, AI867355, BE840251, F33058, F29031, F29770, F34806, T83254, W95559, F32610, F24288, AW952433, BF693155, AA747162, W56670, T90724, F18810, F18621, BF222001, F34683, D81294, F17681, F36422, AW955614, F32064, AA328218, F21167, F31217, F23400, AA328525, F18591, AW975618, AV699550, AV718692, F17182, AV742732, AV724520, AV718489, AW978634, AW966053, AW966531, F36185, AW973307, C14429, AV719557, AV699669, AV723927, D58283, D80043, AW949629, AW965177, AV719822, AW966534, AV699927, AV742048, D80166, D80188, D51799, AV719783, AV699447, D51423, D59619, AV720464, D80210, D59859, AW960553, D80240, D80253, AV719324, AV721386, AV720211, AV720731, AV722801, D80212, AW949656, AW949642, AV741220, D80195, AW966054, AW975621, AW959570, D81030, D80219, AW949645,

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HE2HB64	656	695713	1 - 1861	15 - 1875	AU122450, AI828160, BF540995, AL135426, AU160586, BF061448, AU145403, AI921499, BE876734, AI802880, AA628949, AI632898, N73275, AI655940, AI015196, AI912664, AA620611, AI141962, AU156366, AA722776, AI301037, AA257110, AA386065, W92515, AW235263, AW471368, AW803303, AI191793, W92516, AW236739, W02786, BF448938, BE840881, AW627813, AI535805, AU118959, BE004194, AW593511, BE164397, AU143505, H14373, AW051640, R40298, BE005569, AA453924, AV734391, D25755, Z39161, BF764579, AA226963, H87112, AA386066, W30926, AK001873, AK021735, AK024050, AC022826, AC022826, and AC022826.
HE2HF76	657	637594	1 - 1208	15 - 1222	AA631990, BG109862, AW612937, AI039778, AI004959, AI094075, AA449725, AI355046, AI628207, H29221, AV755884, AA370027, AA234495, AW079218, AR077239, AF294429, AF212224, and AF033566.
HE2ID09	658	815657	1 - 2034	15 - 2048	R01742, R01743, and AL121933.
HE2IE66	659	830436	1 - 1732	15 - 1746	AL532651, AL041152, AV729542, AV729089, AV714609, AL532698, AW382888, AI670894, BE825514, AI693476, AI816778, BE467083, AW382934,

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HE2NW57	660	638615	1 - 502	15 - 516	AW962375, AV653809, AV707510, AV703978, AV646736, AV705504, AV708988, AV704590, AV705684, AV704401, AV702787, AV650367, AV656004, AV703505, AV701704, AV709356, AV729129, AV728715, AV727822, AV701728, AV701832, AV702783, AV702071, AV701858, AV709273, AV707794, AV727459, AV726628, AV707311, AV706104, AV706223, AV709932, AV650843, AV705239, AV725031, AV656240, AV702854, AV707948, AV687909, AV689800, AV726653, AV703417, AV704981, AV703761, AV647654, AV728997, AV706882, AV707401, AV702187, AV651897, AV705866, AV702851, AV709596, AV729473, AV727238, AV701184, AV705299, AV709025, AV707783, AV702354, AV727314, AV709935, AV645545, AV701879, AV706992, AV685688, AV692972, AV702498, AV703090, AV727469, AV687342, AV647692, AV728546, AV701183, AV727355, AV729366, AV652156, AV702339, AV726754, AV691615, AV729220, AV702280, AV709733, AV707322, AV701953, AV702954, AV705814, AV701874, AV727126, AV707088, AV701449, AV693005, AV704059, AV686417, AV704924, AV707649, AV707556, AV684811, AV708991, AV706683, AV706734, AV705532, AV709235, AV658362, AV729076, AV725991, AV704520, AV705416, AV727029, AV729408, AV705550, AV706527, AV687176, AV707458, AV703213, AV655096, AV707117, AV701499, AV704279, AV706910, AV727103, AV662242, AV645768,

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HE2OA95	661	637595	1 - 1657	15 - 1671	AI620217, AL528146, AI056665, AW964795, AI744518, AI038199, AA236476, AA747220, AI368718, AI888960, N47941, AA234584, H19150, AI360711, BF445507, BF475619, AI682413, AI468582, H05762, AA297549, R52959, N46864, T27100, AA736703, AA579494, H18483, BE855666, Z40989, AI474169, R41378, AW973144, BF982162, N49148, AL157430, AF179274, AR052523, AB041565, AB017270, AR052522, and AB004064.

HE2OC39	662	587266	1 - 1342	15 - 1356	BF818114, AA328351, AI381660, and BF679617.
HE2PB61	663	847379	1 - 866	15 - 880	AL530321, AW269723, AI690613, AI806071, AA809640, AA978030, AV745240, AA873189, AA604003, AA975586, BE695019, AV745339, AW439737, BE702894, AV745272, AA470963, AV745289, AV745214, AA329432, AW007109, AW009507, AI955863, BF332895, AA328195, AW862347, AW821878, AW821879, AW821881, AW821872, AW860152, AW860130, AW821877, AW821873, AW862384, AW860155, AA576327, AW860127, BF334617, AW821883, AW821882, AW821874, AW860157, AW860131, AW860198, AW860156, AW860129, AA628795, AW860200, AW860203, AA904745, AW860128, BG165225, and AL359554.
HE2PI43	664	847380	1 - 989	15 - 1003	AW590590, AW590640, AI379778, AW772655, AI698035, AA564115, AI224519, BF437798, AU157586, AU153666, AI681075, AA595918, AA070166, AI801853, AA456639, AI741671, AW450829, AI282125, AA954818, BE177187, T64939, AW939259, AV712649, AW449949, AI075837, AI656786, AA680318, AI287907, R38650, AI129963, AW451862, AI220976, AI014365, AI215837, AA993828, Z41471, R51278, F10556, BG170805, AW028835, AA935033, T16637, F08912, AW614051, AA948253, AW001621, T75270, AI650639, BE550556, AU158379, AA329710, N80398, AA206401, AI978912, N67977, AI168351, Z45834, AB040380, AA257162, AI800133, F12958, AA716767, AK023634, AL050321, AF252257, AK023759, and AL050321.
HE2PJ56	665	721283	1 - 1047	15 - 1061	AU119052, AI761578, AA426498, AU117617, BF196385, AU144401, AI095823, AA330447, AA235412, AA329787, AA328371, BE958048, AU155531, AL137157, AK021543, AL137157, and AL137157.
HE6CJ41	666	604908	1 - 1066	15 - 1080	AI114828, AA465689, AW844636, R07136, AI686563, N27657, AI524712, AW300749, BF983604, AA078384, AA584527, H58252, AC007038, AC002316, Y18000, AC006487, AL121970, AC004620, AC005730, AC009363, AL022316, AF116661, AL158830, AC005529, AL139039, AC007387, AC005232, AC005067, AC006511, AL136971, AC009155, AC007436, AL139396, AC005049, AL049643, AC009403, AL078638, AC004882, AC006038, AC005799, AL121933, AC008521, AL117332, AL354752, AL109936, U17084, AC024082, AC008848, AC009502, AC012442, AC006088, AC005231, AC021999, AC023510, AC021016, AC005013, AC020754, AC004132,

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HE6DC37	667	658675	1 - 450	15 - 464	AA772397, AW014080, AI799589, AI217776, AL524148, AI735602, AI818675, AA513002, AW409592, AL522436, AA478326, BE646171, AI005409, AA552147, AW177019, H42123, R00846, AI491808, AI560335, BE613582, BE617237, BF089287, BF095098, AI275309, BF752321, AL118502, AC004064, AC004064, AC004064, AL161939, AL161939, AL161939, AL118502, AL118502, and AL118502.
HE6DN83	668	695715	1 - 1694	15 - 1708	BF035049, BG168720, AL521319, AA829631, BE779574, BF984318, W29089, AI023778, AW269392, AI262246, AA854845, AI401629, AI246715, AI911280, AW303449, AI092632, BF032840, H18080, AW340516, AW130314, AI367155, BF591484, AI369370, AI023788, AI633595, AI151381, AW029360, AI248659, BG163744, AA047777, AW439584, AW183522, AI401027, AA961013, H17390, AI684684, AI332436, AA960799, BF095229, BG113850, T35017, AW193632, AA215551, AA456516, AA987477, AA954407, AI784083, AA844130, R01045, R01263, AI745525, AI279642, Z45373, AI863839, AA343284, AA057780, AA807067, AA812551, AA926756, AA380755, Z41087, AA906623, R01044, BF325674, BF662882, C00471, AI342140, R28531, BF057468, R01377, BG180578, AW965048, BF770972, AI000681, AW371248, AA515557, BG261446, AW372165, AW867698, AW748644, H12163, BF789890, R35607, R21083, AL034380, and AF029081.
HE6EI30	669	847381	1 - 589	15 - 603	T34959, T36248, AI750464, AA453215, AV708450, BE251213, BF686192, BE312535, BE384103, AL524568, BE393518, BE264160, BE394174, AL524569, BE261260, BE789954, BE386260, BE909980, AL528912, BG025103, BE885058, BF965384, BE868543, BG031995, AL528911, BF667684, BE727184, BE792247, BF675055, BF699496, BE909979, BF125988, BG035136, BE563876, BF105095, BE787466, BF310999, BE869065, BG255299, BE798939, BF206089, T31916, AA776629, BF104105, BE563783, AW954220, BF035601, AA804473, BE564490, AI879945, Z43084, BF693758, AR070327, AL157902, AC016889, and AC016889.
HE6ET70	670	732156	1 - 1401	15 - 1415	AI565566, AL048442, AA526878, AA969301, AA631390, R06560, R06561, and AW148439.
HE6GO65	671	647591	1 - 766	15 - 780	AW450911, AW410692, AI951832, AI693173, BE301426, AA890332, R42860, AA581029, AA917775, H39068, AA047813, AI263681, AI027868, AA034281, AI038007,

					AA580963, C20605, AI467911, AI264850, U17538, AC007993, and AC015937.
HE8AN83	672	833052	1 - 3320	15 - 3334	AL044634, and AA331720.
HE8AU68	673	821324	1 - 904	15 - 918	AW962655, AW962659, AA331886, T89841, T89745, AC021680, AC021680, and AC021680.
HE8BE20	674	815787	1 - 3179	15 - 3193	BF339911, BF982096, AI927669, W73853, AW188021, AW770478, W72716, W73819, N28900, AA928112, N21488, BF790120, AI913512, AA604358, AI431628, AI697341, AI691028, AI338392, AI079403, AI828113, H97538, AI144448, AA033677, N40087, AA033654, AA452704, AA148793, AA332327, AI051402, AI253102, AI335900, W95221, W77887, W92522, AA148524, N23627, H48669, BF836584, AA317582, AI188071, AA853374, BF000981, AI749182, H98465, AI370541, AI868132, AA346971, AW889237, H12925, R20385, AI754442, AA460779, BF365386, AA096372, BF094167, AL133217, AX013738, AC040908, and AC040908.
HE8BP05	675	845980	1 - 1845	15 - 1859	AI521759, AL513763, AW827249, AL038778, AL135661, AV711924, AI758437, AI678989, AI499463, AI868831, BG257535, BG180996, AW162071, BG179993, AL514627, AV681902, BF817926, AI568855, AL513597, BG036846, AI699857, AL513907, BF343172, AW301409, BE047863, AL134259, AL036146, BE781369, BF792469, AI684265, AL121270, BG109270, AV655645, AL045500, BG030189, AI800433, BF342070, BF883916, AI340582, AI349772, AW068845, AV757355, AV711509, AW827203, AI678302, AL043326, AV756770, BG058208, AI521012, AV717179, AV682479, AI433976, AI282903, AI800453, BF340104, AL514919, BE018334, AW169653, BG112879, AI207510, AW074993, AI349614, AI349645, BF724691, BG179633, BG168696, BG107847, AW268253, AI312152, AW274192, AL036396, AI349937, BE048071, AI862142, BF726421, BF981774, AI613017, AI349957, AI440426, BF795712, AV681857, AI590128, AW071349, BE964812, BG120816, BE047952, AI349004, AI702433, AI269696, BF971016, BE964700, BG104782, AL513837, BG032214, BF885675, AW089572, BF882343, AW303152, BE048081, AV756328, AI433157, AV757797, BE877540, BG164371, AI873731, AL047042, AL119049, AW999049, BG151247, AL036802, BE963035, AI580190, AV681716, AI702406, BG260037, AW071417, AI635461, AI440239, AI271786, AI625079, AI281762, AI283941, AI432969, AI580984, AI597750, AA508692, AI445025, AL047763, BG029399, AI274541, AW104724, BE877769, AI682841, AW087445, AI269205, AI538716, AV755207, BE879906, AV758179, AI281773, AI282281,

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HE8BP64	676	847059	1 - 2853	15 - 2867	BE897903, AI207720, BF968082, AW953725, BF380509, AV698376, BG023942, BF572409, BE738071, BF795586, BG114226, AI568519, BF184542, AA143047, BE393275, AW515777, AV714869, AW168109, BF115650, BF541469, BF669653, BE867879, BG107589, AA609408, AW242902, AV712744, AA868581, BF029429, N56907, BF357352, AW966802, AI057606, BF239712, AW664127, BF357377, AA481152, AI623695, AI539097, AW664580, AA288023, AI050869, W51975, AA477324, AI571853, BE738227, AI190703, AA150906, W48680, AI051340, BF209797, AI336466, BG054859, AA479639, BF764926, AI979017, AW058037, D19589, AI591175, AA632153, AW964417, AA434552, T30222, H97703, W90679, AI440180, AI159897, AW900007, AA917662, AA481230, AW193921, AA403025, AI828435, AI364090, AI889568, AI095249, W79496, AI910478, N55040, AW105662, W38894, AA742943, W69239, BF983593, AW771872, BF928514, AI097122, AI524433,

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HE8BQ49	677	589443	1 - 1861	15 - 1875	W35257, AC009225, U49973, AF036938, AL445225, AC006142, AC006077, Z74739, AL023755, AJ271735, U70984, AF241734, AC009312, AL121753, Z82206, and AC009225.
HE8BR18	678	731933	1 - 1637	15 - 1651	BF980280, AL043470, BE621737, BE644712, AW965010, BF475351, BE645923, AI342480, AW026031, AI936726, AI761435, AU153857, AU155023, BF806857, AI341694, AU149729, BF243129, AA410233, AI870200, AI148563, AI380995, AI086566, AW070833, AA195093, BE620797, AW572256, AI913213, AA165261, AI375554, AU157769, AA581399, AA843568, AA291144, AA250914, AW578735, AA576930, AW578739, AA770223, N70829, AW578772, AA976552, AA600925, AI139582, AL036482, N53414, N93811, AI085600, AA969364, AW591767, AI128159, BF802641, AA737476, AA417717, AA258395, BF590593, AI625295, AL353985, AA258135, AA829103, AI263533, AA173956, AA280291, AW188911, AA761134, R70092, BF808930, AA232532, H81674, W42860, R78404, AI147659, R94539, AI611779, AA342479, W01426, BF831599, H67558, AW369843, H22913, AA610802, AI572268, BF825914, T69760, AA768136, AA617933, BF923160, AA361224, H67557, AA866051, BE964642, AI580069, AI431657, AA765142, BE828089, AI333901, AW379693, H24091, BF676218, AI559876, AA490617, AI092995,

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HE8BR30	679	839469	1 - 2278	15 - 2292	AA332555, and AL356134.
HE8BT58	680	806144	1 - 3546	15 - 3560	AL521404, AL524621, AL521403, AL524622, AW978618, AL529722, BG256352, BE909801, BE783472, AW953057, W60630, AA149513, W29012, AA149644, BF968833, BE783711, AW965598, AW977554, AA306190, BE834598, AA404374, AA928795, AW026671, AA146937, AA733045, AI131505, AW051295, AI139050, AI144018, BE855656, AW162934, AI089282, AI571763, AI351676, W60631, W76344, AW005213, AI146486, AW262622, AI557215, BF366791, AA635131, AA780109, BF734995, W74364, AA978196, AA029134, AA810705, BE464631, AW953559, AI801697, T78682, AI312742, AI342567, R48289, AA131882, BF735141, BF935670, AI282048, AA082108, BF928374, H75569, AA905202, AI829282, BF679948, T24058, AI092790, AA588293, AI439728, AA502173, H42085, AW663136, AI440039, AW087504, T08858, R90877, AV742679, BE843533, Z38370, AI131104, H71948, AI350488, AW577404, H73479, T31728, AA931102, R48391, Z42102, AA131883, AI147653, BF987166, AA043328, AW292641, T32676, AA028967, W24023, BE929490, R49179, AI341539, AA346440, AW444574, AW206307, Z26990, BE784054, BE765795, AA603550, AI582869, AI992265, AA043327, AI937029, T35070, AV750563, BE835761, AA995574, BF894862, AW391018, AW892235, BF952084, BF735796, BE762873, AV703909, BE839001, AI720969, AI269580, AW149925, AI537261, BF970652, AI469587, AI884318, AI961589, AI559752, AL514473, AA857847, BF814450, AW129230, AI446248, AW082623, AI282355, AI886055, AA514684, AI799674, AL514791, AL040011, AW087901, BE965724, AI567582, AI637584, AL041772, AI359412, AI538247, AI669639, AW105588, AI263312, BF814453, AL513693, AI978703, BF904265, AI581033, AL513779, BE891834, AI254727, AI623941, BE011880, AL514793,

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HE8BU60	681	751704	1 - 1888	15 - 1902	AV703409, BF978332, AV702357, AW961615, BE220725, AW014746, BE502843, AW439556, AA465322, AI890276, AI500603, AI358086, AA179376, AI908336, AA321970, AI872879, AW905188, AI886014, AI885975, H87239, AA836181, H45599, BE670132, AI681376, AL157579, AF199335, AF199328, AF199329, AF199323, AF199325, AF199324, AF199331, AF199330, and AF199322.
HE8CA13	682	761717	1 - 1524	15 - 1538	AI770069, AW516128, AI735574, AA732944, AI246003, AI830019, AI366785, AI540192, AI143998, AA262416, AI218407, AW418936, AW663059, AI190371, AI190907, AI346648, AA251024, AI304589, AA459438, AA251123, AI698595, AA947174, R63256, AA983593, AI051090, AA548190, AW316991, AI873557, AA938120, W32046, W31358, AA335785, AA709343, BE765687, AA653117, AI497742, R63210, AA262417, AW448930, BE676349, AI498577, AI028022, AI431281, BE934511, D25816, AL355520, AL355520, AL355520, and AL355520.
HE8CC34	683	753266	1 - 2134	15 - 2148	AA376873, AI251034, BE154832, BE139139, BE069140, AA602906, AI250552, AI343144, AI251284, AI251203, BF673854, BE138387, AU118374, AF075343, AI284543, AW438542, T74524, AL449689, BF725844, AI253987, BE154909, AI733856, AI223626, AI801505, BE968477, H07953, AA622801, AI254770, AI754653, BF526552, BF573987,

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HE8CH08	684	831849	1 - 2594	15 - 2608	AL044565, AW964569, AV751912, AV725493, BE778647, BG110238, AI744522, AV692949, BF002070, AW044378, AV724251, AA044842, AI683370, BE568778, BE875020, AW372272, AI806840, AW372277, AW601335, AW601328, AW601329, AI031787, AW370966, BE150523, AW372454, BE150455, BE706430, AW372458, AW601327, AW372465, W68603, AW372460, AW372463, AI129351, AW304962, AW370973, BE706460, AW372319,

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HE8DG02	685	580191	1 - 1628	15 - 1642	AA670223, AA927586, and AL122118.
HE8DK52	686	658676	1 - 1769	15 - 1783	AA291340, AW974468, R61131, BF329812, BF329810, AA648545, BF768344, BE243760, AA291341, AV653450, AI206640, AA761633, R61849, AW854316, AL117474, AP000510, AC005932, AB023048, Z82178, AC005912, AC004491, AL117377, AC008474, AC006163, AC011455, AC006132, AC007386, AC018738, AC006509, and Z82206.
HE8DZ94	687	877630	1 - 1785	15 - 1799	BE222956, AI684587, BF000801, AA610052, AI189791, AI186697, AI751250, AI310126, AW969490, AI188971, AA906201, AA019739, AW264561, AW009062, AI361312, AV713790, AA887119, AA971980, AI580662, AA088862, AI261311, AA575958, AA018414, AI268976, AV715976, AA904689, AI784506, AI654089, AA838000, BF968896, AV715267, BE874627, AV713864, AV763925, AI800634, AA018103, BF920846, AA833673, BF971170, AA809439, BF434508, AA970480, AI419770, BF335535, AW189948, AI806808, N40196, AA886637, H38658, BF128924, AA059058, BF036411, AA809455, AA532665, AI538082, AW514695, BE410537, AA887381, T50287, AI083552, AV758546, AV741671, T47520, BE765444, BE621190, AA054140, H86494, BG170547, AA469072, AI933491, AA935534, AA634291, N58823, AW806525, BG170489, AW750631, AW750632, BF671419, AI799084, H86061, R24685, BF541893, AW614415, C21487, BF675694, AW440198, AA482137, BF700725, AI971218, AW879904, H66403, AW958036, AA570041, AA555150, AA494063, H78365, AA935511, AI807280, BF376603, X85594, AA019783, BF681045, H78462, AA632718, AI338489, AV682353, AW883576, Z19788, W01156, AV709540, AA016261, N28787, BF512652, AX017986, AF182041, AF151877, AF113127, AF182414, AL117550, AF161526, and A74434.
HE8EN79	688	801901	1 - 3184	15 - 3198	AU118398, AU118604, AU119459, AU139253, BG108000, AI133482, AU123862, BG164325, BE878602, BF056623, BF340418, AI207619, AU145121, BF979061, AI871686, BF102641, BF576512, W56253, BF209891, AI554963, BF693470, AA464814, AI818464, AA129822, AW276576, AI095941, AA593694, AI439752, AI225025, AI889447, AA826510, AI476400, AI240110, AA886941, AI802031, AA765547, AI720362, AA052910,

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HE8EX86	689	823176	1 - 4171	15 - 4185	AL519484, AL522910, AL520878, AL529336, AL529335, BG109729, AL520877, BE797344, BE731640, BF967912, AI858279, AI188079, BG117697, BG168921, AL519483, BF305648, BG027564, AW510766, AI566693, BG252987, AF074660, BE781156, BF666286, BE535684, BG258449, BE568196, BG026332, BE784248, BF528515, AL039297, BG033029, BF308055, AI375639, BE869671, AV758815, BF968526, BG119553, AV707787, BE548072, BF724787, BE973963, AA548407, BF573617, AW965965, AI763390, BF310045, AW953914, AA485484, AI922517, AI734101, AA524813, BF540977, BF028235, BG180364, AW956699, BE504153, AI953897, BE546763, AA527506, AI216557, BG036952, BE565460, AI587278, BE251322, AA172048, AI083526, AA887335, BF108991, BF435932, BF970600, AI697375, AA485327, AL522909, AL043966, BE552364, AI168738, AI127998, AI037976, AA527235, AI393493, BE894092, AA765919, AW953906, AI337128, BF575762, AI400062, AA865416, AI923439, BE568613, AI636753, BE217749, AI655352, AA316777, AA568163, BF573132, BF998280, BE551694, BF970597, AA232747, AW075590, AA676619, W67590, AV735667, BF590124, AA024572, AI990254, AI590393, AA113244, BG149475, BF381577, AA633107, BF038406, W04191, AA922413, AA190875, BF814563, AA830219, AA513103, AA484861, AA232740, BF378609, AW305160, AA232252, W80757, AA081795, BE178595, AI223327, AI273291, BG180302, BF817800, AA773935, BF820415, BF029406, AA258263, BF060998, AW339954, AA232199, AW069556, AA976846, AA921837, AV709414, AA113770, H92827, AW891598, BE178638, AW675344, AA079800, AI370116, AI690403, AA910370, BE502416, BF438751, AI632544, AI652850, AI655353, BF817801, AA716388, R51654, AA576495, BE550303, AW024646, AA177052, H70097, BF809072, AA621664, AA086472, AI651500, AA897407, BF793670, BE932331, H14659, R84326, AI203141,

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HE8FC10	690	693908	1 - 1040	15 - 1054	<p>AI950086, AI057087, AI826653, AW954612, AW954614, AI088630, AA780370, AI223349, BF588538, AW954611, AU156564, AA532914, AI700273, AI865501, AA468832, AI923204, AW074440, AW083265, AW028208, C00063, AW054728, AI382369, AW950018, AW963483, AW954902, AW956762, AV702351, AW949942, AW959275, AV701759, AW951235, AV707155, AV729094, AV726934, AW950635, AV709549, AV708388, AV727352, AW964490, AV709356, AV704170, AV729045, AV707806, AV725386, AW949451, AV728546, AV709939, AW958163, AV704771, AW950976, AW960689, AW960528, AV703855, AV706342, AV708647, AW959823, AW951526, AV658436, AW955704, AW966539, AV698609, AW957653, AW954228, AV725273, AW957102, AW962388, AW962649, AW950411, AV727381, AV703035, AV727187, AV706443, T18597, AW949478, AW949383, AW951291, AV725255, AW960237, AW966634, AV725550, AW966825, AV728309, AW951562, AW962408, AW950194, AV725393, AW955724, AW949750, AW962978, AV728404, AW950443, AW954000, AW965874, AW955645, AW961590, AW960601, AV688766, AW951536, AW959804, AW952403, AW952196, AW952183, AV709555, AW959830, AV727017, AV704767, AV704974, AV704116, AW952751, AW956075, AW958871, AV645936, AV725387,</p>

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HE8FG15	691	799520	1 - 2458	15 - 2472	BF528706, BF511685, AW009394, BG105519, BG254081, AW960390, BF525928, AW007097, AW188653, AA621896, AU158667, AI308853, BF691095, AW629142, BE907379, BG023998, AA024539, W68163, AW182327, H92979, BE501512, AI745277, AI832718, AI823734, AI770031, BF215995, AA449738, AI096535, AI281067, AA863106, AI359520, AA584416, BF086852, AU154308, AA308212, BF059115, W38383, AI139547, AW956354, AA761360, W73695, AA918091, AI751095, BE927188, AI419956, BG031495, AI799464, AW665559,

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HE8FG24	692	733560	1 - 1592	15 - 1606	BF676673, BF001392, AI912229, AI480413, AI991067, BF001451, AI417501, BE674291, BF475271, AI439647, BE669503, AI949395, AW361928, BG149770, AW370592, AA514949, BE042855, AI445724, AA978328, AW438870, AI085569, AI219935, AI185867, AI304328, AI951491, AI285945, AI432932, H03970, AI796283, AA029046, AW510441, AW466890, AW016199, AI700083, AA029045, H03163, AI828471, BE464022, BF919980, BE093260, AI219915, H60125,

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HE8FK78	693	852180	1 - 2491	15 - 2505	AI114513, BE219363, AW263235, BF591594, AW341337, D81915, AU159063, BG149593, R45308, BF090397, H16464, AI221836, BF770473, H16264, BF448682, Z45072, F03989, R12297, AA829010, T35541, AI914442, N89290, AA837234, R00834, AW816535, AA243220, R01490, BF358432, AW067948, AI598011, R20485, F01941, F05683, AK023899, AB037725, AK025819, and AF113686.
HE8FL24	694	570157	1 - 1257	15 - 1271	AC015479.
HE8FL68	695	843777	1 - 1734	15 - 1748	AI623365, AF289077, Z69734, AC009707, AC009707, AF127019, AF127019, AF289077, and AF289077.
HE8FR53	696	843807	1 - 3693	15 - 3707	AL038011, AU118419, AI014828, AI114524, AW955815, AV722406, AW162045, AW273995, AW162580, AI760175, AA868346, AW965369, AW160428, AA434522, BF571711, AL038100, BF214459, AI801855, BE245271, AA160952, AI240106, BE245243, AA161480, AA287782, AA738022, AI374646, AI815160, AI422400, AI951976, AI640565, AU144988, AI955355, BF244941, AA670318, AI818799, AA977755, AI951990, AI051260, AI610119, BE894025, AA776673, AW957531, H05199, AI963936, AI223156, AW408691, AI242192, AW135377, AW072571, AA678898, AI828852, AL038010, AA332118, AI015456, AA723261, D81663, N26108, W40325, AI468109, AI979268, BE246434, AA987952, AA427820, H25892, Z43448, AI932610, BF978158, D51087, AI459446, AI352116, N93852, AW965990, AI879372, AA333511, M78407, BE502454, BE246406, AA332713, AA298214, AA331919, T30101, Z39525, R24979, AA586469, AA353597, H88564, AA334574, F05178, D51501, AW014067, AA255858, BE177258, AA355501, H05160, N36745, T80932, AW806179, AI251778, BF570704, D53329, AI028631, AA609126, AA332532, R45239, F01428, BF941999, AW075750, AI954238, BF942131, T07111, BF942147, AA732747, C14209, AI719350, AA825398, AA382030, D59293, D80785, BF092397, D80175, D52693, N66425, T80856, M85663, AA767122, AA363566, D59793, BE774617, BF594583, AA094966, BE171926, H97059, BF891380, C01898, N89160, H25887, AA620960, BF961161, BF947718, BF886210, BF593850, BG231399, BE833263, AK026424, AK026425, AJ251236,

					AF130106, AK001024, J05071, M37183, Z63227, AF098488, U38496, AF022087, and Z63229.
HE8MA27	697	664484	1 - 1293	15 - 1307	BG252095, AW965312, AW977747, AI126305, AA443175, BF195835, AI338421, AA679079, AI913238, AI333023, AA972520, AA838427, AW605328, AI307325, BF222431, AA463484, AI805628, AW630931, AA828370, AW078809, R43305, AI225223, AW006036, AA587907, AA922459, BF923727, AA707365, AA332396, AI928687, R82447, R82448, Z41035, T96841, H81876, F04432, AA362022, AI740575, AI205049, AA937210, C01328, T96842, BF763516, F03673, H81899, H81875, AW081213, AI658899, H81900, AI863622, BF939300, BF923780, BF763515, R47213, BF794285, AC004893, AY007164, AB046845, AC004893, and AC061971.
HE8MG56	698	838064	1 - 2290	15 - 2304	AA332555, and AL356134.
HE8MQ01	699	886800	1 - 2705	15 - 2719	AI866939, AA338997, AA332893, AL079734, AI783911, BF771774, AI114733, AI133552, AI912401, AA515728, AW963444, BE048032, AV738383, BG056174, BF768846, AI620585, BF312862, AI056177, BF928469, AA410788, AA297666, AA535216, BE063437, AI253987, AW798093, BF891210, AA838190, BF805088, AI802804, AI580250, AA579179, AA228778, AU147162, BE968744, AA528546, AA827771, H85792, AA714110, AA659608, AW675551, AV656851, AA634837, AW069227, BG250286, AA582073, BE350261, AI554471, AA651632, AL038936, AL119921, AW962335, AW264986, AA837035, AI625604, AA581247, AA583394, AI223543, AA847031, AI439910, AL043289, AW338179, AW303142, AA452887, AI634187, AA310183, AA129746, AW500684, AI613389, AA527209, AV755512, AI733856, AW327624, AA621381, AI744830, BF059769, AA487726, AA513551, AA515351, AA457249, AA654778, AA213959, F11718, AV701116, AA464739, AC004112, AC005736, AC003662, AC007371, AL109921, AC007999, AC005098, AF116689, AL031683, AC006236, AC006329, AL035406, U19759, AC005011, U73636, AL008627, Z97196, AL162615, AL022315, AL121897, AL391595, AC016025, AC004882, AF243527, J00083, AC008812, AC022436, AL035587, U72787, AL162293, AC005050, AL133260, Z85987, AP000356, AL136173, AP001690, AF039904, AC009087, AP001748, Z83308, AC008736, AP001619, Z97876, Z95703, AL161445, AC005216, AL135798, AC006457, AL033517, AP000295, AC009289, AC011475, AC008745, AC011489, AC004552, AC007787, AF190464, AC005071,

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HE8MS43	700	799521	1 - 2586	15 - 2600	BF528310, BF341773, AI909151, AI440495, BF676353, AV726794, AW805592, AI339292, AI962337, AW579494, AV654298, AW964950, AI478823, AI590098, BF061542, BE349951, AW960640, AW805582, AW194095, AI690043, AV726211, AI088025, AA286751, AI692217, AA773071, AW571547, AI969335, AA766278,

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HE8MY77	701	847382	1 - 2707	15 - 2721	<p>BG168997, BE622334, BE269891, AW607804, BG121283, AW014727, BE439491, AW965677, BG120525, BE855558, BE885493, AW803977, AW149735, BG259855, BF593687, AA769051, AW607802, AI435462, AW367338, AA722873, BF126126, AW026519, BE177330, BF962998, BF029890, BE960999, BE223114, N56914, BG054825,</p>

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HE8NC81	702	862015	1 - 2612	15 - 2626	BE741325, AI684143, AA404225, AW615203, AA075632, AA171844,

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HE8NO09	703	793771	1 - 1020	15 - 1034	BE738711, AW958459, AA146962, BF109529, AW993793, AL040662, AA581694, R80684, N52861, AI536862, AA036772, AA243885, AI972439, AA036816, BF222147, AI361084, AA992387, AI567361, AA687882, AA665738, AI971068, AA625716, N50061, R77440, AI623214, R77531, H14341, AW023566, AI359428, R27901, H43289, AA602979, BE897863, BF126133, AW890135, AA355082, AI419636, R24528, R27809, C14360, AA146963, AI217785, C14361, BE349890, R23739, AI869386, AA070592, BE086666, BF698816, N54716, BE738144, D29046, BE086717, BE086650, AB029001, AL356097, AL356097, AC027113, AC027113, AC025349, and AC025349.
HE8QU21	704	838391	1 - 1575	15 - 1589	BF893263, BF893276, AI032590, BF893278, AW503569, AA643684, AI915048, F35070, AI005029, R49658, AA588582, AW964016, BG231506, AA642995, T16689, BF908962, R84390, AW802530, AI568523, BF909384, AA350035, AI609923, AI057188, AI082641, BE163563, AI374775, AI918922, AW103339, N79478, AA877424, AA406055, AI362189, AI866772, AI114816, BF942097, AW242032, BE728002, AI141850, AA020840, AU119384, AW016892, AI951969, AA069777, T89264, BF893279, AW575793, AW248583, AW794915, AI367791, AA971103, BG059960, AI619681, AA351591, AI298040, N46723, BF893425, BE856505, T65002, AA228711, AA845605, AU141987, AI041271, N20124, AI039161, BG009864, BG248371, BG009859, AL035989, BE143368, H20776, AA643967, AV720147, BF957122, BG009857, AA403088, AI902932, BE146748, BF681552, BF824914, BF942210, BF962913, BF998133, W58074, BF813674, BF947884, W27847, BG005336, AI9797297, BG009858, W28805, AA669401, AA902250, T91905, BG007214, BE010919, W27025, BG006017, BF942807, AI345783, Z82173, AL078602,

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HE8SH74	705	833053	1 - 3147	15 - 3161	AU118908, AW970603, AA503455, AI745438, AA503437, M85475, AA343065, AW019964, AI860535, AA644090, AU153717, AU146063, AA714011, AI610468, BG109444, BF725844, AW816516, AW161016, AA745470, BF744666, AA744465, AA744449, AA602906, AV756491, AA603413, AV758870, AA828054, AI310464, AA653955, AF236698, AL449689, AW189384, AA579208, AA622801, H91062, AI192440, BG029528, AA829044, AW753399, BE906142, AW966759, AI755057, AW268785, AW189113, AL134330, AA847508, AU159560, AI859946, AU158330, AK021723, AC003109, AC006468, AL022241, AL031602, AK023233, AL133382, AC004893, AC000039, Z93015, AL022320, Z98304, Z99714, AC010201, AL355476, AC004971, AC006345, AL096701, AC002126, AC005409, AF069291, AC010205, AL158830, AC020947, AC010605, L48038, AC005209, M87912, AL161672, Z97876, AP000048, AC000026, AC007386, AP000042, AP000110, AC005519, AL450226, AC009247, AC008403, AL133415, AC005049, AK025436, AL020997, AL137039, AL031777, AC004003, AP001716, AL050321, AL121653, AL133240, AL022326, AJ277546, AP000289, AF010238, AP002085, AC005215, AL109797, AP000692, AC020908, AC005632, AL158167, AC009311, AL049538, AC005412, AB025285, AL353193, AC005391, AC006958, AC008753, AL035086, AC016620, AC002059, AP000555, AL049843, AC002542, AC004685, AC005815, AP000694, AC011497, AL158040, AL121981, L44140, AC007366, AL078638, AC004216, AC007371, AL353807, AC005000, AF217403, AL353140, AC002565, AL023882, AC004223, AC006276, AL359272, AL031274, AC007263, AC011742, AL024507, AC011480, AC005828, AL009181, AB001523, AP001726, AC005520, AC005003, Z95152, AC004963, AC006441, AC005736, AC004865, AC006312, AP001053, AL122010, AL022237, AL021806, AC005207, AL161903, AC009086, AL049694, AL031848, AL023583, AC008379, AJ009615, AC006329, AC004859, AC002350, AC005081, AL031295, AC004895, AC008736, AC005327, AC006077, AP001753, AC007688, AC007404, AC019155, AC004166, Z82243, AC011506, AP000516, AC005911, AC005740, X64467,

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HE8UX34	706	838170	1 - 1395	15 - 1409	BE468263, BE179318, AI383684, BE620044, AA493960, AW206056, AA496980, AI131260, BF437500, BE467443, AW772077, AI138297, AI192769, AW084658, AW081183, AI041615, AA493982, AI685769, AA437269, AI192632, AA719369, AI913388, BF221501, BF445361, BE220148, BE674469, AI819911, AA931051, AA630356, BF062830, AW002950, AW316601, AA826595, BE620584, AI640230, BG150155, AA442346, AA486833, AW577108, AV711399, BF806005, T82340, R02190, BF894915, T39246, U70071, BF902488, AA487680, T62596, AA490578, AA152276, BF873598, T92703, R07804, AC009509, AL157878, AL049830, AC000004, AC002086, AC005251, AK023372, AC034186, AC026161, AC004125, AC005771, AL133396, AF128848, AC006022, AL158201, AC007270, AC005908, AC022209, AC005304, AC023602, AL139379, M85145, AF128846, AF128847, AL031276, AC004858, AF109907, AL031118, AC010423, U82671, AC002087, AL034419, AC005186, AC005621, AC018694, AL138761, AC005888, AL118512, and AC005610.
HE9AE05	707	863257	1 - 1917	15 - 1931	AV685839, BF568821, BE796135, BF690098, BE901362, BF344632, BF970641, BE314381, BE740599, BF311178, BE794551, BF690181, BF569167, BF340224, BE407680, BF026543,

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HE9BJ14	708	805730	1 - 2114	15 - 2128	AI741344, AI762686, AA835524, BF510208, AA489631, AI291993, AI129753, H68735, AA021341, T84610, T91035, BF446287, AW027141, AI989740, AI081246, AA765776, BE829843, AW977322, AI674476, AI277305, AW241928, AA938258, AI218443, AI089374, AI167413, AI290165, AI028030, AI277202, AI298349, AW590181, BF508018, AW408816, AI308270, AA489734, BF842198, AL161979, and AF143871.
HE9CI81	709	734918	1 - 2269	15 - 2283	BF966000, BE905885, BE926759, AW798414, BE173640, BE778779, AA807516, AA908973, AA418448, AW798992, BE644823, BE349155, AA884091, AW673011, AW798491, AI368837, AW363295, AW363289, AI378015, AW957427, N54502, AW363294, AW014681, AW798735, BF439857, BF327021, BF672800, N20027, AA127253, AW798791, R34555, AI039202, H78759, H53849, AA812460, AW197723, AI218375, AW754134, N58789, AI015291, AI570462, AI038291, N76614, AI568999, AI076553, AA860407, BF378605, H78676, H54102, AA757388, AA098884, AA377788, AW363280, Z44067, AW798658, AI244876, N77478, AA621802, AW798553, AA194796, AA099229, F07617, BF378600, BE740669,

					AI042396, AW754126, AA302238, H54310, AA287396, AW798921, BE929938, AL356219, AL356219, and AL354794.
HE9CJ38	710	565082	1 - 2728	15 - 2742	AI167878, AC004388, AC010722, AP001716, AL109804, AC002425, AC005049, AF053356, AC004089, AL109824, AP000111, AC006487, AC005015, AP000043, AC005697, AL096791, AC004893, AC005081, AC006111, AP002898, AC004876, AP001718, Z98743, AC005913, AC006946, AP000050, AC010618, AC011200, and AC004388.
HE9CM11	711	821325	1 - 1280	15 - 1294	AL355481.
HE9CN58	712	562768	1 - 916	15 - 930	AI765644, AW956794, BF197072, AU137455, AV716821, AA568443, BE831172, BE894451, AW966464, AU135339, AA804610, BE971405, AA758082, AI873513, AW515713, AA384399, H88679, H88639, AL135153, AA385199, BG168354, BF750788, AW966458, Z25371, R63456, AL120044, AI655607, AI654632, AW207454, AI743991, AW051943, AC020629, U72209, AC020629, AC020629, AC023513, AC023513, and AC024943.
HE9CV59	713	847061	1 - 1379	15 - 1393	AL519325, BF966927, BE788945, BF980195, BF339692, BG171598, BG115326, BG026521, BE876512, BE893953, BG169368, BE891789, BG178394, AV751805, BE896770, BG121055, BF984772, BE891353, BG035486, BG024762, BF979171, BE896854, AI079871, BE537978, AI141548, BF969158, BE967432, BF245516, AI884994, AI754452, AW300378, AV722711, BE779848, BG030039, AV706988, BE888451, BE504261, AI744514, AV724674, BG035412, AA203251, AL519326, BE766678, BE783063, BG168514, BE910521, AV729483, AI458068, AW242918, BE546429, BF196900, AW779043, AV727905, AI557059, BE081688, AW055218, AV762094, AW593406, W67445, AI802141, AI951522, AW964276, AW602202, AA526064, AW957266, AV694667, BE562307, BE895407, BE870029, BF815064, BE218383, AA609534, AI160333, AI459327, BF817011, AW274411, AW237570, AI283096, BE856881, BE908193, BE392757, AA083482, BF732811, AI222806, AI148933, AI147909, AI090774, AA563763, AW300715, AI568762, BG116928, AI278463, AI879602, AW514410, BF033763, AI032613, AI066533, AI143315, AI753784, BF698223, BE857576, AV751302, AA847652, BF669268, AW340856, BE081677, AW026015, BF212884, BF541738, BF439164, BE890646, BE855684, W56491, AA535049, N36124, AW264821, BF825668, BF382334, AI554135, BE047202, AA130194, AA156535, AA633881, AI218481, AA456761, BE866663, AA156569, AI090230, AI362255, AA563834, AI912414, BF316031, BG163285, AA614829, AA999950, AI278461, AA236246,

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HE9DG54	714	821326	1 - 1899	15 - 1913	AI569790, H50970, AW516510, AC008843, AC005913, AL008712, AL353140, AF196970, AC005412, AL158824, AL157713, AC020750, AC018755, AC069539, Z77249, AP001207, AC004996, AL050335, AC087084, AC006238, AC034186, AL121928, AC007682, AC002544, AL050326, AC022816, Z95115, AC083871, AP001690, AC005517, AL109865, AC015651, AL359272, AL133330, AC009003, AL121578, AC010205, AP000426, AC005988, AC011290, Z98884, AL022328, AC010328, AL157756, Z84484, AL096814, AL033527, AC005537, AC008738, AC011510, AC009945, AL109769, AC005020, AP001712, AL031729, AL117338, AL358777, AC005186, AF228703, AC009314, AC007955, AC005094, AC083870, AC005520, AL031283, AC009299, AC009319, AL049832, AL132775, AC073316, AC008150, AC011460, AC004526, AC007880, AC007537, AC066590, AL121916, AL139087, AL122057, AC027319, AL136000, AP000476, AC007690, AC004033, AC008033, and AC006251.
HE9DH59	715	886059	1 - 2488	15 - 2502	AI743110, AW027945, AV704087,

					AW084526, AA432281, AW516247, AW956325, AI208913, AI339294, AL530804, BE645109, AV699472, BE547885, AV697405, AA861616, AA644048, BG231587, AW300670, AV652444, BE766821, AA431276, AA777632, AW513341, AI219671, AI148405, AI352204, BG055067, AA577616, AA449223, AA449277, AW341177, AA970937, AA401473, AA906194, AA628564, AW835278, AI074683, BF515180, AI076711, AI479370, AI082178, AI079588, AW663631, AA564429, AI797090, AA234114, AI797100, AW572590, AA234031, AA948463, AA314176, AI741306, AI142605, W79168, AW361541, AA234450, AI218509, AA576400, AA878052, BF899634, AA157005, AA233896, AI536998, AI797101, AA983966, W74297, AA502282, AI973267, AV652432, R01184, BE832825, H70032, F36993, AI203491, AW070794, BF916224, AA614115, AW881026, AA654249, BE832838, AI751322, N54575, AA972130, F32137, AA335858, AA361317, AV695399, AA654259, BF847813, F19229, AI934398, BE706405, T50106, AA401601, BE706437, AA632252, AI061164, H30632, AI370724, AA598856, AI270620, AW802592, AA298599, T50158, AI538788, N76656, AW956078, AW375812, BE832806, AA298105, AI446805, AA812578, BF849599, AW841448, AI934408, AA054837, AA994456, AA383015, R47337, AW385357, AI769197, AA861925, AA626213, BE764956, AA828089, AA707230, T25504, BE179149, R47369, BE886870, AA628553, AA513530, AV748411, AA872576, AA837475, AW858522, BE179142, AL134524, AW601637, AL134110, BE837998, AW979125, AL045327, AW577201, AW974909, AW577199, AW979098, AW974387, AW970107, AW979122, AW975688, AR066494, AJ238010, A93923, AJ276253, AJ276255, AJ276256, AR096545, D17247, A93916, A93931, AJ276251, AR064707, AJ276257, AJ276254, A85203, AL133053, AL122101, AL133074, AR023813, AL133049, AL133082, AI468831, and AL353719.
HE9DZ47	716	835820	1 - 1262	15 - 1276	AW970112, AW970109, AA513971, AI745528, D62166, and AC012150.
HE9EC36	717	784960	1 - 1265	15 - 1279	AI094627, AI626038, AI767403, AI201019, N63325, AI421326, AI393128, AA147495, AI223029, N27591, AA155671, Z38149, AL135239, AA558910, BF091911, F01342, AA670092, AI370938, C18926, N20317, Z41852, AA385129, F05088, AL357992, and AB020316.
HE9EM54	718	560627	1 - 1072	15 - 1086	R94248, AA886480, AW963444, N77480, AW505253, AA825827, AV760388,

					AI821268, AF111167, AC004787, AC009948, AC003950, AC008753, AF131216, AC005821, AC008745, AL162424, AL139286, Z99716, AL163210, AP001711, AL121897, AC007216, AP001207, AC002375, Z86090, Z99755, AC005529, AJ010598, U95742, AL158141, AC002091, AL034423, AC002072, AC004386, AC005102, AL121929, AL049636, AC018633, AC008074, AC018639, AL021878, AC020913, AC005840, AF168787, AL157938, AC018690, and AC018690.
HE9FH28	719	633737	1 - 1262	15 - 1276	AA828834, AA284247, AW769654, AA847499, BF725844, AI300054, AA536040, AW341978, AW474168, AI653776, AV695478, AA358161, AA535216, AI623364, BE243506, AW613805, AI421723, R51582, AW236163, AW468347, AI613459, AA283081, AA832145, AA169245, AA746911, AI299192, AI273990, W02749, AA501461, AA470344, W96277, Z84469, AL121899, AJ400877, AC018719, AC022201, AL133500, AL139286, AC012384, AL049709, AL133246, AL050318, AF003627, AC002073, AJ251973, AC004024, AL133551, AL035555, AL391122, AC002091, AC004019, U85195, AL390039, AL034423, AC004921, AC055740, AC009362, AE000658, U52111, AL445669, AC007055, AC004409, AL035400, AL160231, AC009501, AC002357, AC024086, AF224669, AL157938, AC007707, AC007617, AC009358, AC006121, AF205588, AL157789, AL034422, AC004125, AL357752, AC005365, AC007016, AL135749, AC007363, AP001727, AL031230, AC006038, AC000353, AC002416, AC005531, AL358777, AC005592, Z98200, AL159977, AC003029, AC009330, AL078591, AL078638, AL162615, AC004881, AL137191, AC004500, AC005229, AC018637, AL121897, AC024561, AC005015, AC008088, AC009363, AC005014, AC005158, AC009365, AC009542, AC002420, AC004070, AL078593, AC007938, AL357374, AC005017, Z82203, AL110502, AC008474, AC005046, AC005094, AL031280, AL021407, AC003663, AL135783, AL079342, AC022402, AL136000, AL049780, AP000355, AC002549, AC003684, AC007384, AC083866, AC008151, AL049868, AC006948, AL136365, Z94056, AC005035, AC005082, AL109839, AC008599, AC073325, AL031651, AP001730, AC004408, AC005520, AL163209, AL138756, AL049776, AL157931, AC004448, AL034374, AC005920, AL133417, Z84467, AC007436, AC009946, AC004140, U91321, AC007383, AP001712, AC009244, AC005899, Z93015, AC006120, AL031670,

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HE9HE13	720	868829	1 - 2743	15 - 2757	AI268349, AI133545, AV727351, AL042644, AV688028, AI174720, AI064754, AV692560, BE465010, AV753036, AI797089, AV693628, AL035808, AV706943, BF056041, AL039025, AA777328, BF314353, BF446820, BE383106, BF195282, AW148855, AW590055, BF942873, AW161496, AV748482, BE671998, AI337141, AV729489, AI091315, AA701267, BG010030, BF509584, AL035801, AI292216, N66923, H51546, AW291645, BG008531, AV749927, AI342797, R53767, W07248, BG015185, H59650, AA744996, AW590523, AW163035, BE939204, AV684463, BE939217, AV685380, AV723467, AA297678, AV684461, AV688678, AV689832, AV693188, AI494251, N92066, AA297295, R94442, BG014281, H49427, AV690806, AA318543, AA297821, AI689792, AI240743, BE046799, W88477, BE671399, AA297093, R99163, H87083, BG014716, AA699845, AI651945, AA984335, AW902316, R87222, BG014671, BF927790, N76324, AV748261, AA298957, AA587566, AV747610, R09653, AV697445, R97197, AA318859, AV749581, H91969, R91627, AI204935, BF757582, AA297100, H78029, AI248895, BF895065, AA298914, AA297227, R18076, AA368167, H71305, R89121, AA296981, AA969743, AA297065, AV748976, AW263368, R53766, BF928044, AA029246, BF932705, AA327773,

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HE9HE13	721	824328	1 - 1533	15 - 1547	AI268349, AI064754, BE465010, AI797089, AL042644, AA777328, BF446820, BF195282, AW148855, AI091315, AA701267, AI342797, AI494251, AA318543, AI689792, AI240743, R53767, BE671399, AI651945, AA744996, AI248895, AW263368, AI950273, AA968737, AI638278, AI967972, AW004002, T93776, R44788, AA904190, BE930972, AI453538, C21164, BE843848, AA972349, AA587544, AA318859, BF437913, AW196226, T93821, R53766, AF052114, AF090934, AL117190, and AL117190.
HE9HF59	722	664485	1 - 1600	15 - 1614	AA010073, AI636215, AC024167, AC007249, AC002300, AL139100, AC005280, AC009362, AC002126, AC020917, AC005486, AC004834, AL050307, Z97989, AL159168, AL360227, AC007637, AL356791, AL135978, AC005088, Z83822, AC022148, AC005081, AC004813, AC009314, AC006238, AL031289, AC005821, AL031283, AL356801, AC005822, U91321, AP001728, AC009116, AL133355, AC007954, AL050318, AL139353, AL096701, AL121899, AC005952, AL109897, AC006483, AC015651, AC004687, AC008033,

					AC007570, AC004966, AL162430, AC024167, AC024167, AC023484, AC023484, AC016146, and AC016146.
HE9HV71	723	658679	1 - 923	15 - 937	AV724984, BF507383, AW516781, BE673529, AW301702, AA436196, H81182, BG150237, D82410, AI194033, BF831861, AW771971, AA904874, H91282, H53265, AA436320, R71007, AI031552, BF476171, AW024244, R62971, H54405, AI309194, BF762490, H53822, BF184463, AW194617, AA526672, D20868, AA846674, BF242917, BE207721, R20668, W45285, H81694, R66741, BF961763, AK026843, AL023583, AC007460, AC007460, AC007460, AL023583, AL023583, and AL023583.
HE9NB82	724	790925	1 - 1315	15 - 1329	AW966788, BE501253, BF056451, BF059750, BE672150, AW966130, BF978587, AW748491, AI917333, R01779, BF438867, R49669, BF980245, BG054867, AA011389, AW665301, AI022055, Z39423, T30229, H78502, H42920, AW136454, H52219, R93248, AI004594, T48272, AA011426, W00931, W00902, AI692389, AI380756, AA334591, R01778, W90272, H75401, N70016, H62631, AI127035, AA861910, AI498984, R00180, H75956, N70099, BF061746, T84138, T48271, AA833612, W90596, AI401426, N54265, AA634297, R00181, N58710, AA705141, BF914621, AI624908, AI983354, AI197907, AW800344, AW950229, AW954102, Z33559, AW961052, AV706292, AV705869, AV704297, AV702107, AW958153, AV728642, AW962403, AW953980, AV708087, AW958869, AV703589, AV653809, AV705909, AW956059, AW955394, AW958147, AW950995, AW949796, AW956162, AV709025, AW965557, AW951426, AV655638, AW963933, AC004542, U45328, AC004542, AC004542, and AC004542.
HE9NE43	725	853313	1 - 2441	15 - 2455	AA334819, AW893455, BF954954, AI459514, AC011208, and AC011208.
HE9RN58	726	840361	1 - 820	15 - 834	BG261184, AL041852, AW027263, AA857474, AI951449, AI186929, AA677155, AA639733, AI304376, AI811872, AW194143, AI335882, AI342430, AI336554, AI246718, AI805977, AI436141, AI239502, AI769190, AI335864, AW166074, AI240205, AI192152, AI200638, AI092780, AI341624, AL041853, BF350364, H12091, AI275875, T87231, AW381220, AW439470, W85855, AW473842, Z40304, AW194150, T50080, R17072, T50017, AI025799, AA255464, T17478, T15985, AA256862, AA256295, F10146, AA694417, AW381235, AW006806, AA969108, AA883601, AW952226, R45140, AW952477, T30917, N89669, AA575932, T35156, N79088, R41404, F02854, R45022, N89664, F01970, F04079, AV717059,

					AW371385, AL137299, AB040897, AK000686, AC010530, and AC010530.
HE9TA42	727	834972	1 - 3357	15 - 3371	AU140171, AW327930, BG254802, BF526551, BG253956, AL043190, BF347281, BG032600, BE273853, BG121786, BE884283, AW377140, BG251935, AU124088, BE885986, BE537814, BE311786, BE899517, BE895263, AW732383, BE388754, BF306405, BE856554, AI246794, AW851247, AW083169, AA056151, N52913, BF689529, AL036423, BE898018, AA481951, BF690447, BF878745, BE674456, AW402132, BE869970, AI925366, BF920336, BE144138, AL525898, AI921038, BG231796, AA447154, AA482071, N54419, AL039173, BF895066, AA448331, AI674825, BF769893, AA132442, AI923184, BE254841, AW297746, AI889805, AI202791, AW341680, BF769500, AI078868, AA694487, AA150034, AW733141, AW382675, BF939340, AA398432, AA150049, AA019152, BF894508, AI452487, AW851005, AI204652, R76987, W45010, AI309532, C15582, BE144137, AA019071, BF826241, AA019150, AA088509, H96589, AI459937, BF894513, R52504, AI634612, AA766136, AI016490, N49227, W56052, BF894516, AI689272, H85529, AA403055, AW752875, AI066596, AI857833, AA732999, AA463560, BG059845, W94473, BF894521, AI346675, BE929769, BE842862, BE706695, AA011029, H84958, W94364, AA132610, AU123422, BF883835, BF895535, AI937007, BF815728, AI288013, BF808603, N68380, AA325054, AA056117, AI190318, AA019069, AA017244, AA088508, AW362982, BE244516, AL531021, BE168563, AW001191, AA557492, BE049619, BE149522, D20780, BF432509, BF808615, BF094343, AL040700, BE017987, BF806277, T05965, AA419062, BF808605, BE710594, AW087403, AI538318, R52505, BE292860, AI088594, AA017280, AA459829, H12752, R98348, AL040441, BF806259, BF809764, BF940896, AA017109, H12793, BF808621, AW752877, BF809680, AA382791, BF929079, BE770010, BF991017, AA262320, H05272, AI582853, AI581416, H91439, AI961878, BF997174, BF827684, AA058595, F22117, AA375500, AI610875, BF806270, H05326, BE732585, BF811821, AW367724, AI870746, AW450056, AW449995, BF825345, T74846, BE279047, R50277, T74758, BF806288, N50277, AI969480, AA017110, BF827679, AI682741, T07028, AA011151, BF815734, H68391, BF808598, AW627913, BF083685, AA928412, F31338, BF154629, BE898906, BE153183, R50737, AI590394, AI696256, BF918623, W32435, AI950648, D56214, AW172557, AI890230, AI861828, BF808606, R98349, BF813850,

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HEAAC21	728	581048	1 - 1080	15 - 1094	BF507374, AW372197, AI740518, BE676401, AW015704, AA740635, AA724154, AV720165, BE501898, AW173217, AI859090, AW629518, AA706711, BF513802, AI268221, AI554845, AW978653, AI378023, AW857213, W51773, AU155920, AV707833, AA456383, AA651943, AI128013, AI222169, AI469328, BF593162, AI783718, BF510191, AI494534, AI435804, BE042619, AA836007, AA804407, N47593, AA808378, W45408, AA938934, AW953594, R78119, AW995224, W52249, AA136940, N45467, H92361, AI224394, AI221110, H92307, AA775140, AA768149, AA767828, BE714332, AA639182, N58852, AI985748, R78120, W32268, BE243336, AA406155, AI222272, BF155909, AW372387, AA808465, AA429007, AA278653, BF155918, AA352332, W32211, AK001842, AB037791, AC009754, AC009754, AC025917, and AC025917.
HEAAC39	729	637600	1 - 1229	15 - 1243	AW970305, BE856555, BF589322, AW970218, AI817185, AA709141, AA478875, AI808138, W73741, BF438291, AI078268, AW316562, AI141596, AA568446, AI080079, AI744816, AI685566, AA236573, AA603741, C20941, AI139198, AA478618, W73647, AA582362, AI187807, N73406, AI798309, BE766048, and AF086298.
HEAAC48	730	603520	1 - 804	15 - 818	AW979296, AA847418, H16694, Z41669, F04892, F01792, and AL359708.
HEAAD63	731	603321	1 - 833	15 - 847	AL042853, BF337291, AL042753, AI040051, BF204069, AW327624, AI475732, AI053518, AA491814, AI921161, BG109957, BF343455, BF796375, BG029528, AU146929, AV762645, AW970877, BF701278, AI569086, AC011455, AC005049, D83989, AC007934, AC004846, AC005726, AL035404, AF109907, AC006285, AP000350, AL035587, AC007917, AC008543, AL133325, AC005261, AL442167, AC003071, AL163285, AC007057, AC020663, AL109837, AC005037, AC006130, U47924, Z86090, AC007308, AC006512, AL031311, AL049759, AL050332, AL353804, AC006026, AL162272, AC011811, AL031589, AC019046, AP001760, AC005052, AL355305, AL049780, AC009955, AL365505, AC009032, AL109804, AL050335, AC008747, AC007688, AL034379, AC004477, AL031432, AL139109, AL021808, AL121601, AL357497, AC005280, AC011465, AL109965, AF095901, AL139099, AL132639, AL034429, AC011495, AL049576,

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HEAAE19	732	825833	1 - 648	15 - 662	AA482910, AI889933, AW970088, T03213, AW063391, T03215, T86017, AW063524, AI250083, AI924077, AV728425, AV761022, AI268334, AI268336, AA683238, AV760486, BG059450, AA129746, AA101689, T08298, AW975169, BE179557, AV725423, AW102846, AA469400, AW504224, AV757289, BF827410, AI027459, N71746, AI084294, AA503296, AA758366, BF764474, AA953238, AV703388, AV703232, BE151164, AW962335, AA191659, AA236903, AI275071, W92132, AV759663, BF877553, BF910700, AA757775, AA484373, BF764476, BG259042, AI094315, BE156725, AA600869, AA011026, AW072487, AV759437, AA724782, AA527209, H48620, AI821918, AI821881, AL119915, AV733228, AW021597, BF725029, AV715310, AL036909, AV707696, AV755654, BE147416, AV736964, AL042420, BF877564, H26844, AC000378, AL035454, AC004465, AL035697, AC006375, AL035405, AL109925, AL022314, AC006430, Z72001, AC007387,

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HEAAM54	733	740751	1 - 2240	15 - 2254	AC068555.
HEAAM96	734	562769	1 - 1065	15 - 1079	AW504398, BG111179, AW793941, AL390026, AK027220, AL133543,

HEAAN52	735	862020	1 - 2152	15 - 2166	AL133543, AL390026, and AL390026. N23831, AV719822, AV720211, AW378532, AW962245, AV719628, AV699866, AI588856, AV718908, AV718633, AC007688, AL034549, AC009236, AC007251, Z97054, AC005358, AP001328, AC022163, AP000500, Z93017, AC007450, AC005207, AP001753, AC008569, AC073651, AC004067, AC005736, AC005015, AC009470, AE000658, AC008403, U85195, AC021999, AF111168, AL049761, AC008753, AC005844, AC006994, AC020552, AL031003, AC006348, AC011890, AL049636, Z85986, AP001752, AC005082, AC005899, AC005879, AC005740, AC007240, AC002302, AC018641, AC016027, AC015651, AC013434, AC006011, U80017, AL354864, AL117381, AC004659, AL133245, AL137228, AC005520, AC000353, AP001715, AP001716, AC004089, AC007954, Z95116, AC005972, AC005031, AC006064, AC009134, AL031651, AC022274, AC004797, AL031685, AC006213, AL024498, AP001678, AC005072, AC011484, AP000354, AL138752, AC016830, AC005081, AL135924, AP001688, AC002385, AC009086, Z84469, AC005399, AC004531, Z82214, AC005089, AC022404, AB001523, AP001054, AF134471, AL133387, AL1353807, AL122020, AF045555, AC018769, AC010271, AC020754, AL096703, AC005921, AL158040, AL022163, AC006480, AC002542, AL118520, AC011895, AC012064, AC009073, AC005914, AC007298, AL163285, AL035427, AC002551, AC005006, U91322, AC007565, AC004812, AL157818, AL133551, AC048346, AL162414, AC005874, Z98884, AC007993, AL034402, and AL157827.
HEAAU28	736	604909	1 - 618	15 - 632	AW102917, AI246663, AA225024, AA226631, BE140602, BF511859, AI302412, AC013497, AC013497, AC013497, AC016962, AC016962, AC016962, and AC025661.
HEAAW54	737	843633	1 - 1090	15 - 1104	AW628058, AI985985, AC007849, AC007849, and AC007849.
HEAAW94	738	847340	1 - 910	15 - 924	AA578368, AA492135, BE707438, AI880112, AA927112, AW970866, AA368674, AW237957, BE560582, BE560540, BE268041, BE513979, BE398109, AI525375, BE270770, AF191611, AF043045, and AF042166.
HEBAP51	739	631248	1 - 1478	15 - 1492	AA905365, AW183209, AA447403, N48800, T75214, AI150769, AI752351, AW957379, AI366812, AI752444, BF513085, AA447404, AI918806, AA446920, AU150140, AI271369, W56090, AW440022, AI810715, AA350505, F12785, F06979, BE702116, BE702209, BE702102, AA908277, F10393, AA371121, AA404543, F03251, AI382343, AW352020,

					AW178643, AW178617, AI160655, AW178621, R45278, N45592, C20815, AW188120, AK022836, AC007282, AC007282, and AC007282.
HEBAT05	740	637602	1 - 624	15 - 638	BE388118, BE274806, AA631941, BE387736, AW250779, AV728603, BG164124, AA436930, AA496016, AV704277, BF681447, AA542886, AA454563, W79715, AA640738, AA258235, AI292270, AA635317, F32457, R48332, H45477, AA044406, AI129362, AA056752, AA610446, AA917602, AI694307, F31697, AA037214, AA905034, AA913533, AW328289, AW161498, AW190530, BE876953, AI424442, AW157076, AI421826, AW163044, AI377349, AW156992, AI193858, AI087169, F31667, AI310416, AI682330, AI193077, AA041408, AI568969, AW025506, AI355265, AA196235, AW246920, AW058014, AA041506, W81387, AA769689, AA369311, AA429473, AW450353, AA978265, AA913096, AI149098, AA972224, AA369310, BE646321, AA328519, AA125762, AI929761, BE378893, BF195601, AA127040, AA628812, AI741886, BE395491, H45578, AI826085, AW204399, AW957080, AI338612, AI480213, R48441, AI685684, BG034724, AA610691, BF684646, BF973931, AI468074, AW328288, F36944, F36941, F18177, AI721278, R09319, BE737231, AW405036, F34442, AA310193, AW204665, AW295253, AA456455, F37799, BG119999, AI632672, AA037337, AI341583, AA058430, AK000575, AC004643, AC004643, AC004643, and AC004643.
HEBBF78	741	742915	1 - 930	15 - 944	AL538455, AL525832, AI568505, AV655584, AW953847, N32571, AA187655, AI808089, AA526918, BG252515, AI453591, AI081889, AW440262, AA194889, AA845461, AI378649, BE908848, AA443756, AA527164, AI141761, AW958362, AI021995, BF432172, H94858, W78722, H70834, AI479927, BF957705, AA253197, BE221349, AW901981, BF961378, AI761402, AI214552, AI097320, AW057527, BF941267, AI246758, AW901983, AA782490, AI081102, AA553408, BE702146, AI808623, AA633791, AI262281, AA211153, AI073685, N41911, BF941078, N69676, AI818651, H17757, BF946146, AA703017, N73052, BF957369, W26930, H29041, AI082660, AI077530, T60160, AI362656, AA860768, AA682356, AA973691, AW627673, AA211412, AI080519, W28281, AA854718, BF109023, AI375323, AW582812, AA643354, AI381992, AW518288, AI266094, AA100617, AA968835, AA937130, AI262276, AA223950, BE702079, AA774844, AI400255, AI339608, AA252244, H94913, AA242922, AA211154, BE702257, AI299277, AW366343, R59970,

					R35222, AA666088, H72562, N94284, AA398818, R44233, BE384256, AI566939, T33499, AA210963, N78595, R35223, H63178, AA024462, BE169363, H00372, T16583, C00575, BF109417, T60220, AI001980, AA911470, AA482521, H63093, BF095493, AW898531, AI351873, H59535, AA227494, AW953845, AI674487, AI928589, AL520543, BF090185, AA877379, BG013669, AA771870, AI452734, BG013667, AA054989, BE699451, AA709403, BE929896, AA682271, AA370219, AW890133, BF125756, AA296514, T39268, AA985216, AA701972, BE699437, N53689, AW890084, BE766370, H60407, BE699447, R99021, AA191585, AI002146, AW082546, H82418, H17643, BF990242, BF090356, T35232, BE769143, H97157, AA376958, BE699438, H72964, AA633823, AI624799, H21224, BG252732, AA873870, AW406496, AA427942, BE699452, R44510, BE699441, BE699454, R67150, W07346, AI572272, AW582803, BE001455, AI095299, AW890031, BF087223, BF090189, AA860750, BE781672, AA055424, AA873237, W80529, R19246, AA379480, BE694516, AW956465, BG009775, BF090197, BF090308, AA885939, AA379243, AW020516, AW582814, BG010024, BE694498, BF945034, BF961372, AW750524, BF901185, R60420, R99793, AA253196, AI215508, AA984128, AW630965, AW903949, BF988857, AA195569, AA354699, BE826474, BF745171, N23537, AW964422, AW021934, AA417824, AC006514, AC006514, AC006510, and AC006510.
HEBBK04	742	801958	1 - 394	15 - 408	AI753857, AI922199, AI089898, AI808366, AI358078, AI888375, AI352183, AA764797, AA736507, AA862968, AI934412, AA897145, AI682782, AW003415, AI816989, AI680640, AI400640, AI912934, AI522082, AI568766, AI206419, AA021631, AA897125, BE245917, AA932639, AI803710, BE468201, AA608537, AA811550, BE222667, BE855867, AW055005, D62857, AA761577, AV707506, AA714935, AI061184, BF939037, AW026479, AI817259, AW068614, AI356903, D61933, AW022197, BE672788, AI807893, AW022841, AW051041, BG035913, AI915191, D61807, D79344, AA327884, AA489683, D62100, AI678663, AW088972, AA347686, H44823, BF966786, AI922555, AA642768, D62842, AA743779, AI678162, AW958100, BF667962, BG259368, H44822, BF571850, AF085880, AC006077, AC006077, and AC006077.
HEBCN80	743	596808	1 - 1673	15 - 1687	BE274917, BE407383, BE727532, BE409009, BE385334, BE277891, and AL109897.
HEBCW57	744	858804	1 - 1252	15 - 1266	BF732579, AV732581, AW021889, AI968400,

					AI825334, I34426, AB010437, AC020799, and AC020804.
HEBDF90	745	835835	1 - 2888	15 - 2902	AI807073, BE380078, AW237271, AA167044, BE673329, BF105943, AI962324, BF514050, AW019979, N66663, BE463595, AV648439, AI872009, BE463544, BE710043, AW960859, AI299822, AI949044, AI458442, AA993605, AW299249, AW450231, AA629256, BF475297, AU154690, BF430929, BE669930, AI743458, AI718033, AI681550, W21109, BE672254, AI005652, AI474503, AW021273, AI092195, BE178731, AA399111, AA447220, AA058311, N63150, BE044061, BF448067, AW085210, AA813052, AA678353, AA778989, AI476148, R74282, BE379650, R81219, R81220, AI523384, N98946, AA249069, AA322135, AW015031, N53357, BE566924, AB040375, AA810643, H02352, AW513301, AW796298, AA805148, AA385683, H02254, M85780, H88945, AA346779, AA380249, R21211, N92903, AI370668, R74193, AA371188, AA058489, AA398057, AA166966, BF759689, BE766524, AW882682, H89178, AW341924, AA044302, R21212, BE173545, AA044128, BE178736, BE882974, BE003909, BE714625, AI078638, BE766525, AA368806, AW975989, BE536604, AI380424, AI392795, AW662518, BE246074, BF091851, AI932434, AW903383, AW897106, BE181963, BG013385, BF811933, AB037764, and AK001738.
HEBDW31	746	795500	1 - 1314	15 - 1328	AW952365, BE676410, AV705485, AW250045, AI880840, AI693219, AI917360, BE222175, BF440010, BE277733, BE349025, AW206719, AL041425, AI811178, BE264145, BE502476, BF528296, AA887003, AA808078, AI921274, AI590135, AI624553, AI571198, AA620909, AA494430, BG232096, AI880832, AI657034, R95069, AI360738, N33268, R94979, AA622153, AI084601, AW246748, AI431644, AI801580, D80897, AW089827, R56242, AA325544, AA043953, AA351661, W94855, W87810, AW341800, R64543, H40030, AI873697, AA043965, AA378316, AI202731, H41095, D59965, AW802514, AA815446, AI978559, BG008488, C17955, H20484, D81384, N44758, AA813421, BE798262, W96002, AI735303, H91837, D80733, H91885, AA704552, AI057047, D81569, AA256147, H30360, AW249439, BE797687, C15555, AW138040, AA635475, D81203, AA682724, D53162, N67484, AI394213, D53593, AL134336, T03520, R46625, AW197595, AA089941, C14649, BG009635, BE826300, R47323, C14977, AW885164, BF315820, BF311684, BE833663, BF814263, BF814266, BF814265, BE311990, BF814241, AA977090, AF055021, AF111169, AC007376, AB028959, AC007376,

					AC007376, AF111169, AF111169, and AF111169.
HEBFL36	747	604638	1 - 576	15 - 590	<p>AI468022, F10780, R38261, H43089, AV741220, AW975618, AV724520, AA848018, AV744690, AV723247, AW966330, AA044087, AV738340, AW964468, AW973541, AV742732, C14331, AV741221, AV742048, AV718692, AW973445, AV718489, AV699550, D58253, D80134, AW753067, AW753053, AW177440, AV742735, AW752082, AV720791, D80132, AV742001, AV721784, AW960553, AV742022, T03269, AV719876, AV720533, AV720150, C14389, AW179328, AW966053, AW966029, AW966075, AW966065, AW960465, AW973334, AW966531, AW978634, AW966534, AV742667, AA305409, AV701125, AV701335, AW966560, AV701419, AV701166, AV701357, AV742430, AV701149, AV701043, AV701332, AV701017, AV701248, D58283, AW966022, AV701431, AV723097, AW959799, AW966059, AW964766, AW966013, D59859, D80022, AV742671, AW966041, D80166, AW375405, AW973474, D80195, AW975621, AW978648, D80193, D59927, AW975613, D59467, D51423, D59619, AW360811, AW753041, AW978661, D80210, D51799, AW965163, D80391, D80164, D59275, D80240, D80253, AW966030, AV719822, AW966054, AV720203, AW964756, AW966050, AV719188, AW973307, D80043, D59787, D80227, AW966062, AV719324, AV718440, AV718938, AV719783, AV720028, D59502, AW959597, AV718633, AW959628, AW960473, AW965177, AW975605, AW959570, AV719468, AV718800, AW965185, AW965197, AW965196, AW973485, AV718707, AW965184, AW973488, AW965175, AV720211, AV718931, AV720878, AV718844, AV720464, AV719557, AV718770, AV720731, AW973482, AV699447, AW378532, AW958992, AW958993, AV722801, AV723927, AW959136, AW956397, AW959062, AW964477, AW956434, AW964488, AW949641, AW962082, AW366296, AW949656, AW949654, AV699927, AW949642, AW959202, AV741191, AW973470, AW973423, AV741189, AW973465, AV745080, AW352158, AV718530, AV744770, AV742720, D80038, AV701415, AV701154, AV720812, AV741012, AV701422, AV721386, AV743601, AV701123, AW178762, AW973447, AL135744, AX047063, AX033851, A62298, A84916, AJ302649, Y17188, AX047062, AX047064, A62300, AR018138, X82626,</p>

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HEBGC01	748	635224	1 - 738	15 - 752	
HEBGE23	749	836129	1 - 405	15 - 419	AI916699, AI125755, AI569944, AI199740, AW339714, AW629416, AI983107, AW168252, AI709247, AW129523, AA932741, AA609646, BG056312, AI760369, AI936750, AI521565, AI440301, AW055303, AI479624, AA010077, AA632342, AI147442, F22819, W18188, AW081397, BE222356, W60994, AI689599, AI431516, AI885069, BF510349, AW503732, AA889231, AW591734, BF476512, AA878702, R20641, AA400446, AI971324, AA868098, AI797356, AI810231, AI468652, AI492286, AA235851, N95625, AA954572, AW665137, BE856112, R73152, BF003059, AW002465, AA400572, AW472891, AW964023, BF437333, AI202466, H02677, H16169, AI439020, AI435394, AA522469, AI857711, AA377384, AW029380, H13164, BF475393, AI823448, H04518, AA613532, Z25127, AW771867, AI270235, H03230, AW953787, AA601925, AA165368, AL045450, AW241567, H04020, AI917425, AI336145, AA364034, N88039, N66226, AA419377, AI650474, AW237069, W94707, AW316806, C01430, AK025939, AC006486, AB002304, AC004987, AC004842, AL035696, AC005627, AL137028, AF109718, AC010507, AL133216, AC004916, AC006328, AC012005, AF270605, AC006486, AC006486, AC006486, and AC021858.
HEBGE85	750	834478	1 - 935	15 - 949	AL048957, W72237, AW444956, AU150391, AA191673, BF059343, AU147067, AA432253, AI816002, AU160385, AW022750, AW594532, AW450163, AI224969, AI339013, AW157836, AI816166, AI809905, AI652165, AU153157, AA759042, AI671943, BF361266, AA421841, W74222, N62208, AV708433, AW007581, AA634441, AI217708, AW272492, AA843463, AA256929, AA232863, AA889033, AI985000, AA889032, AI073542, AI911023, AA666392, AI985318, AA047719, R52913, AW183885, BE674450, W95152, AA057767, N76506, AW873585, H19248, R61317, AA258256, BF478202, AA255438, AA978281, T23968, W95249, BF837274, W92450, AA625386, R67278, R42024, BF448918, R43307, AI018765, AW613493, AI280229, Z38597, AA262360, AW582754, AI014296, AL080222, AK023172, AK022775, AC009309, AC009309, and AC009309.
HEBGJ94	751	847065	1 - 426	15 - 440	AL533103, AL527989, BE674527, AI391504,

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HEBGM06	752	842527	1 - 1490	15 - 1504	BF026689, BE743621, BE742509, BE735584, BE394361, AI692466, BE378494, BE389073, BF436121, BF977628, BE394194, AW798307, AW248376, AI741146, W58702, AI362837, AI123668, AA446543, AI633792, BE780920, AW193696, N31494, AW204907, AA412563, AI023622, AA758971, H97686, AW261889, BF917037, AA446361, AW269032, N32284, BE390645, N44569, AW247941, R54668, AA179801, AA412420, T17064, R59346, AW170295, AA180543, and AB041660.
HEEAB58	753	834398	1 - 1621	15 - 1635	BE907767, BG259833, BG120405, BG035975, AW965456, AA029344, AA534713, AW575773, BF853930, C06150, AA534743, AA688253, AA682489, BE858577, AI149111, AW014310, AI760392, AW025621, AI139326, BE675908, AA507956, BG231994, AA040150, AW956427, BE151294, BG231788, BE151280, AA040814, AI679155, AI863127,

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HEEAJ46	755	637623	1 - 2400	15 - 2414	BE246018, AI082794, AW073284, AA418474, AI198539, AL048969, AI681967,

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HEGAI20	756	825818	1 - 915	15 - 929	AW104739, AI870529, AA325208, AC004840, AL158167, AL121952, AC008745, AC003689, AC010605, AC008132, AL031727, U80017, AP002898, AL031657, AC012384, AL035086, AL117380, AP001718, AC007151, AC004166, AL080274, AL117381, AL132773, AF121781, AC004867, AC008018, AL391259, AL136300, AC008403, AC004611, AL133467, AC007773, AC019187, AC002310, AC025594, AC003003, AK025247, AF196779, AL163279, AC008805, AL031659, AC010458, Z93015, AC006285, AC007263, AC005488, AC023491, AC012330, AC005102, AC037193, AP001695, AC005086, Z93930, AL356652, U95742, AC007666, AC005387, AC004678, AL157938, AC011895, AC007216, AC044917, and AC018445.

HELAC52	757	826611	1 - 3926	15 - 3940	AW968080, BG105448, BF309466, BG256718, BG164188, BE886044, AV704411, AI795970, BF513320, BF448315, AI698004, BF057487, AA777774, AW612582, BE644794, BF109639, AV728037, AV752212, AA847874, AI379542, AI654625, BE677928, AI290805, AI949785, AI091312, AI768918, BF055499, BE467778, AW965713, AI338207, AW131884, AI275914, AW137490, N46241, AI075868, AI023288, AA425026, AI375653, BF111635, N70745, AA190997, BE245948, AI742405, AA725441, AI765797, BF446316, BE670770, AI400824, N31990, AI431583, AW013914, N35479, AW206147, AA495961, BF541909, AI168193, AA255933, AA836000, AA513853, AA831165, AA492578, AI089114, W86218, AW444551, AA159185, AV725266, AI373913, AA972464, BF941693, AA229837, W84704, AA147526, AA355113, N48677, AI479510, AW182976, AV741470, AI765903, AW664169, AA287881, AA764826, AA731101, AW068073, AA157625, AI381908, AW665510, AA731121, AW951961, R97875, AA256028, N45531, AI125415, AI989510, H57586, R97825, AI909773, W38514, AA765033, AI205570, AW502171, AA316454, N80224, AW068341, N44790, N69554, AW771940, AI475419, AW835731, BF508436, AI832122, T82958, H24482, AA687308, AW511125, BE774997, BF370596, AA279494, AA877473, BE829373, BE544886, BE176379, BF329660, W01734, AA349050, AW835660, BG034404, W78850, R94855, BE178578, BE739650, BG257675, BF352070, AW168387, AA416979, AK026082, AK025944, AF168718, and AB040895.
HELAC55	758	610078	1 - 965	15 - 979	BF476913, BF476811, BF476595, AW593885, AW327879, AW834587, AA989137, AI908149, AI053773, AW440273, AV729638, AA146651, AA885499, BG054991, BF986627, BE350371, BF994765, AU141106, BF986613, AW955564, AI252382, BE156121, BE156146, BE156129, AI053711, BE156122, AI380555, AW834306, BE156058, AV731996, AI419419, BG120385, AI423034, BE156066, AW819713, BG003487, AA219096, BE145535, AV737541, BF105958, T57683, AW834501, AV750368, AW383950, AW383964, BE138416, AW833073, AV718692, AA039324, AW834495, AI250275, AA558846, BF986610, BE067987, BE067986, BE150062, AW834453, BE068409, AI371559, BE068615, AW834665, AA833993, BE068412, BF994752, H80554, AC005017, AC007297, AC003684, AC007455, AC011290, AL121908, AF289665, AF139987, AL161618, AC007688, AC007563, AL121949, AC002072, AC000113, AL034548, AC003079, Z82200, AL121754,

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HELAT58	759	732199	1 - 2091	15 - 2105	AC005899, AP001716, AC002527, AL034423, AL121929, AC009756, AC006126, AL049636, AL031985, Z93017, AC004983, AC006480, AC005231, AF131216,

HELAW94	760	834796	1 - 1477	15 - 1491	AC026123, AC026124, and AC026124. BF688607, BF688996, AV728771, AW069137, AW377997, BE272266, AW328027, AV723126, BE696110, BE696116, BE696104, BE696106, BE696139, AW378000, AI003772, AW304257, BE696122, BE733431, AI624133, BE384288, AV723119, W45510, BE696115, AW149036, AW377900, BE696105, AW956191, BF924842, AW377988, AW328026, BE169714, AA375087, AW377984, BE315408, AW854673, BE696117, AW604487, BE545469, BF964659, BE696137, BE696127, BE696131, AI380617, H86725, AI904840, BF991881, BF991882, AW972919, BF813163, D84488, X96663, AC011465, AL133245, Y10196, U85195, AP001718, AE000658, AL121585, AC022150, AL137072, AL133355, AC009228, AL356244, AL121753, AL035704, AC002544, AC004408, AF168787, AP001728, AC006163, AC020913, AF165926, AC005565, U91326, AC004590, AC005225, AL109743, AC011470, AC005261, AL117381, AL031597, AC027319, Z82190, AC004560, AC005057, AL118503, AL162724, AC002314, AC010422, Z94801, AC007199, AC008745, AC004659, AL031845, U91321, Z97054, AC003678, AL121675, AF111169, AL024498, AC004491, AC000134, AL031594, AL050308, AP000510, AC007216, AF134726, AC005920, AL133548, L48038, AF196969, AC012384, AL159997, AC007597, AL121601, AC006509, AC008720, AC002456, AC020754, AL096700, AL355385, AC008264, AC008474, AC006449, AC000003, AL035400, AC006511, AC009756, AC011450, AL135783, AC011479, Z85986, AL132773, AC004686, AC002492, AL136418, AC011480, AC004771, AJ246003, AC006115, AP000010, AC007404, AL022322, AC004990, U07562, AC020906, AL049712, AC005696, AC005089, AC007536, AF156673, AC004000, AC020916, AL031255, AC005722, AC004089, AL354720, AL160175, AL049553, AC004241, AL109825, AC000026, AC007383, AC010328, AL121658, AC003963, AC022027, AL391122, AL355392, AC004181, AC004932, AC006251, AC021999, AF217403, AL136223, AC009087, AC025577, AC004466, AL033397, AL137853, AC002059, AF121781, Z95331, AL391839, AC005015, AC003042, Z98036, AC005098, AC010609, AL118520, Z93023, AL158040, AC005529, Z93244, Z84469, AC008556, AL163279, AP001759, AC021016, AC004253, AL133453, AC023490, AC002365, AC068799, AL133545, Z97630, AL138816,
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HELD F80	761	799522	1 - 1446	15 - 1460	AL536112, AI189605, AU118565, AU120711, AL528132, AU119175, AU142491, AU117918, BG109932, AU139459, BE734046, AU117135, AI423180, BE741967, BG028491, AU123547, BE299847, BG119520, AL516596, AU123523, BF690724, BG027506, AU135100, BG026421, AU143112, AL042033, BG178853, BE783653, BF672132, BG171454, BE748260, BG165791, BE615767, AV706108, BG120172, AV711157, AU127655, BF575512, BE868402, AW410096, BG111084, BE268124, BF695368, BE267850, BF699975, BF969612, BG026918, BF691404, BF574265, AU135174, BF031986, BF694511, BF248352, BG257454, BG251818, BF792411, BE870011, BF694792, AA418062, AA429708, BE268739, BE538440, BE889512, BF676417, AV654317, AU120235, AA034186, BE886193, BF726562, BF694317, BF670769, BF672446, AI219200, BF692956, AV703600, BF572764, BE742947, BF667074, BE393078, BF694480, BF671311, BF697742, BF791246, AV707431, BF670356, BF216396, BF694505, BG178847, BG026281, BF664603, BG254007, BF575260, BE564241, AW993725, BF977312, BF216878, BF669685, AW993857, BE739095, BF575693, AU126926, BF217822, BF575716, BF211751, BF698483, BF687692, BF212930, BE778540, BF217462, BF030054, BG258548, BF665196, AV745632, BF382227, AV745372, AA411397, BF209365, BF240460, BE568493, BE960907, BF214839, BF132302, BF030853, AW410097, BF102738, BF700530, BE748331, AI018741, AA431977, AV745916, BF979073, AV745252, BF208508, BE298346, BE960998, AI193279, AA682817, AA220934, AA034187, BF700939, AU153235, AI754465, AW024266, BF217277, AI126251, BF690929, BF695789, BE962023, AU154157, BG028802, AA166874, AU151385, BG180646, AL049075, AU152196, AV745804, AA702274, AU149682, BF216979, BF577358, BF132953, BE856921, BF242276, AU154156, BE896457, BF976872, BF208998, AI186197, BF130776, BG255975, BE298649, AA704581, AV745936, BE858061, BF306435, BF242073, BE296585, BF247084, BG032726, AW370193, BF976865, BE386044, BE299149, AU151626, AI263352, BF934072, AL134572, AA846282, AA577038, AU153700, AA700585, BF245200, AU148994, BF575008, BF934120, AA417958, BF205177, BF960671, BE868510, AI817019, BE565285, AI049595, BE961133, AU153949,

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HELDH39	762	780536	1 - 2639	15 - 2653	BE878991, BF594386, AW131875, BE219901, BF438203, AW956363, AI271457, BF445837, AI279322, AI123316, BF998809, W63705, BE504236, AW419360, BF998804, N41041, AW662316, BE466780, AI656298, AA436517, AI278161, AI990342, BF477906, AI025059, BF988687, AA402554, W60125, N40421, AA425889, H24187, BE206264, BE504316, AA436467, N26057, R44595, T09183, BF998811, AI697150, AI401378, AI225073, AI658735, AA815068, AV685482, R51627, AA339230, BE221704, BF447897, AW204942, AW770785, AI478612, AA456482, AW103017, H83563, H59463, R36572, AI424542, R24933, AA939161, AW589365, BF576100, T24107, AI350551, AA374998, F11097, H61455, AA377687, D61973, H24077, AL523339, BE749133, D79890, F05240, R58877, R45197, Z42410, Z38257, AI565365, AA626190, W56825, BE749132, BE887940, AA478257, N36183, BE696045, AI609324, N32701, BE794712, N44170, BE173750, AF131763, and AK023923.
HELDK79	763	532597	1 - 882	15 - 896	AU118627, AI051622, BG035128, BE906377, BE747176, BE745111, BE904639, AU133917, AU133984, BE788794, BE907348, AI189753, BE879041, AI685095, BE619041, AI828930, BE790436, BE910282, BG119322, BE884393, BE879963, BE620997, AI819390, BE621186, BE906666, BE785244, BE613669, BG167065, BF036140, AU135866, AI804422, BE908365, BE881236, BG122252, BE737005, AI633575, BE908977, BE547180, BE548372, BF105867, BE874626, BE906618, BE974032, BE789335, BE548097, AI250777, BE543834, BE546656, BF126211, BE785027, AW338147, AW080238, BE897209, BE392486, AW510672, BE904461, BG113740, BE877056, BG165112, BF184281, BF791201, AA083510, BE617437, AW513200, AW651691, BF132064, AU137549, AW629109, BF184069, BF382972, BF691383, BF182976, BF247995, BG169978, BF106087,

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HELDQ42	764	695716	1 - 2056	15 - 2070	AL533192, AL533506, AL538378, AL527689, AL525378, AL042989, BE795321, BE798178, BF792096, BF026358, BE379690, BE563825, BF568604, BE274345, BE616535, BG030860, BE378933, BE735671, BE563470, BF305763, BF528450, BE740682, BE737229, BE616529, BE257715, BE379355, BF304132, BF037510, BE883423, BE277807, BG035660, BF056647, BE252204, BF204526, AI279802, BE393156, BE407164, BF317456, BE616738, BF525993, BE389335, BE380126, BE892080, BF875547, AA311080, BE394217, AI920860,

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HELEE85	765	835457	1 - 555	15 - 569	AA706624, AI807241, AI377188, AI819191, AI554339, AI332513, AA056557, AW593002, AI675223, AU152926, AI159776, AA897088, AW079154, AI868024, N22259, N81155,

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HELEL76	766	862490	1 - 1109	15 - 1123	AL536616, BE729579, BE794111, BE563527, BE791351, BE729207, BF308533, BF308139, BG260007, BE742063, BF309055, BE747790, AV729502, BF306071, BE743305, BF205655, AI133668, BE294600, BF203525, BE740708, BF038583, BE256438, AW409892, BE743066, BF306393, BE785035, BE266057, BE390368, BE742158, BF306310, BE693697, BF034233, BE254728, BE893978, BE299124, BF205849, BE298425, BE736555, BE270375, BE208464, BE294327, BE876474, BE784083, BE299494, AW151537, AW360815, BE295211, BE019338, AW410714, BE270413, BF953081, BE294412, BF305279, BF132280, BE295388, AW962959, BE740473, BF968561, BF674224, W31320, D53079, T27259, BE185212, AA305292, AA187731, AA182962, W81268, AA634772, AA333590, BE299695, D54886, AA460998, AA357487, AA155784, AI908066, AA157646, AA226027, BE299730, AW409893, T34417, AW905639, BE740827, AI003365, AW375316, AA773890, AA452998, BE788445, AA670456, T71690, BE938239, M62127, BF307270, BE736849, AA181070, N55882, N50367, AI471827, BE207952, AA363508, AW149070, AI285453, BE719767, AA508485, AW177580, AW410715, W01940, AA187277, BF830758, AA223710, AA991792, BE141788, BF090319, AW845911, AA229354, AA229034, AA229080, BE875912, AW369174, AI246884, AA653041, AW937453, BF541640, and AF086462.
HELEL76	767	839470	1 - 1241	15 - 1255	AL536616, BE794111, BE563527, BE299494, BG260007, BF968561, BF308533, BE791351, BE742063, BE784083, BE747790, BF309055, BF308139, BE876474, BF306071, BE729579, BF205655, AI133668, AW151537, BE740708, BF203525, BF038583, BF306393, BE743066, AW409892, BF205849, BF306310, BE742158, BF034233, BE729207, BE256438, AW962959, BE743305, BE390368, BE266057, BE693697, BE736555, BE299124, BE254728, BE298425, AV729502, BE208464, AW409893, BE294600, BE270375, BE299695, AA155784, BE294327, BE740827, BE295211, AW410714, BE019338, BE788445, BF305279, AA670456, BE893978, W81268, BE270413, AW360815, BE785035, BF953081, BE295388, BE299730, BE294412, AI471827, AW410715, BE207952, BF132280, AA181070, AA991792, BF674224, AA508485, AI285453, BE740473, AA452998, AA187277, D53079, T27259, AA226027, AA305292, AA773890, AA229080, W31320,

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HELEO45	768	847067	1 - 1951	15 - 1965	AW103462, BG030824, AV716187, AL037661, AW997041, BE783263, AI620383, AI862382, BF766883, BG163675, AA293258, AA236833, AI798349, BF766809, BG107123, AA192304, AA325670, AL037660, AI925345, BE166243, AA320749, AB046824, AK026978, AK025635, and D17104.
HELFA57	769	845981	1 - 1887	15 - 1901	AW963990, BF032788, BG120900, AI679201, AI701053, AI989408, AI569591, BG165498, AW749482, BF897343, AW152110, BE162736, BF372556, AA078196, AA376917, AI160284, AI207424, AA483606, AV743462, AI733856, BF725884, AA570740, AA568204, AL120282, AW328000, BF845126, H73550, AV759632, AW069227, BF991881, BG222875, AI634187, AA602906, BF528591, AW897556, AV762633, AV695478, BF947281, AI917132, BF991882, AI755214, AI754105, AW576251, AI754567, AW500684, AI499954, T47138, BF854308, AV733437, AW328202, AI272649, BF813805, AW237905, AI133083, AI270370, AA503298, AL037632, AA832145, AW270385, BF845125, AI457313, AW272815, AV762430, AI354333, AI049630, AI431513, BF857849, AI538491, AI635440, AA719073, AW976024, AA604831, AL524675, AA581170, AW265688, AI732789, AI859438, AI268019, BE250197, AK025076, AC004166, AC004883, AC005098, Z84469, AC007878, AC018766, AC011742, AF002223, AC005158, AC008738, Z98742, AC018738, AC008745, AC008521, AL353602, AC006211, AC007773, AC011491, AC010083, AC008753, AC006511, AJ009611, AC004492, AL137139, AC004253, AC009721, AL135744, AL135927, AC007227, AC008551, AL096870, AC004491, AP000211, AC002476, Z82203, AP000133, AC004148, AL096701, Z85986, AL121601, AC005391, AC003109, AL109797, I34294, AC007221, AL031602, AB030001, AL117652, AL391840, AL022316, AL138976, AC020913, AL049636, AF141309,

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HELFO30	770	828202	1 - 2340	15 - 2354	BE739782, BG260361, BG032261, BG170768, AW195335, BE620067, AA846729, BF571882, BG167529, W55956, BE501532, AA706724, AI806599, AA724378, AI609525, AW466980, AI028108, AA843409,

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HELGF28	771	740782	1 - 2284	15 - 2298	BE868682, BG170138, BE779689, BG253605, AW953820, BF734556, AW957109, AW135363, W68720, AA939105, AW966228, BE244341, N34984, AI657159, AA680335, AI628176, AI628198, W68742, AW450825, AW043560, AI937544, BE782301, AI494435, AA598681, R93309, BE502788, AI356109, N49292, AA037585, BF058334, AA037584, AA250872, AA918825, AI457226, R66027, AW293104, AA129982, BE350542, AI934693, T87842, AA165237, AA192622, R66028, AA133862, W27759, AA737332, BG028769, H05598, BF511605, T71997, AW244029, BG150423, BE813916, AI918298, AA809638, N27043, C00311, AA133863, AA853281, Z43082, N43745, AA369886, F15768, Z39174, AW291453, AW384738, AW384707, H25089, AW384736, H12959, AW363791, AW372835, N49534, BE068865, AW363790, AA337479, AW386709, BE068860, AW885044, AW372829, BE068862, BF361392, AW749313, AW372834, BF853449, AW363788, BF932578, AV727822, AA205100, AL042454, AW363789, AI248294, AA976829, AI964020, AI337095, AA149266, AA493212, AA789147, AI436353, AA151348, AA552156, BF222865, BG230639, AA478388, AA716419, AA649028, AA714851, AI334649, AI634416, AI307244, AA470731, AI769170, AI561328, W74375, AA644335, BF110001, AA826497, AB018343, AL080145, and AF086402.
HELGP60	772	580822	1 - 1282	15 - 1296	AW629331, BF881884, T24537, AA361596, AW873467, AW675354, AA625537, AU134730, BF974173, H97058, AW160600, AW160513, AI929040, AW204946,

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HELHN47	773	872795	1 - 3133	15 - 3147	BE379402, AU118098, BF689042, BE799794, BE253724, BE409190, AI088175, BF812523, BG117869, BE797466, AL121027, BF951409, AW603421, AW965854, AW961455, W68823, AI741023, BG117194, BE275247, AW499919, BG168103, AI479047, AI634699, BF951683, AA045233, AI688304, AI951999, AA449896, AI200519, AI149245, BF105190, BE867657, AU144749, W37763, AW007655, AA405988, BE709250, BF940902, AI693102, BE275822, AW962196, AV715822, AV734573, BE883406, BG260104, BE396292, AW956721, BE019501, BF896776, AA449840, BF338580, AA310127, BF850663, AI367880, BE764736, BE764707, W68731, BF846633, BE764722, W96561, BF366147, BE712960, BF345290, AW022906, BE764718, BE764720, BE794853, AI174856, AA525005, W85865, AW578460, BF327328, BF933873, BG004732, AA405737, BF945017, AA430006, BF366129, AW179234, AW891380, AA287748, AA758643, BE764709, AI220400, BE764715, AI963637, AA262900, BE208044, AA641766, AV735241, AW006786, H16917, AA662363, BE065338, BE065132, W96460, W37841, BE709245, BF903403, AW608262, AW302028, BE764719, BE709256, W27830, AA984547, AA287560, AA620313, AV750037, BE177372, BE065342, BF371244, BE379619, BE301121, BF361193, BE816328, BE177393, BE712917, AW960829, T32423, BE764744, AA470120, AA448600, BF980267, BF894424, BF447355, BE712999, AW771818, BF363891, AI127540, AI370962, N95591, BE764746, BE713007, BG152900, AW891388, AA551743, AI149254, AW997838, AI673246, W21912, R99927, BE764749, AI457793, W85949, R98229, BF439758, AW517893, AW369688, AA291526, AA317660, R97994, AW263448, AV729207, BE764745, AA341366, AW368146, AA550747, BF438251, T16770, AW964093, BF376553, AA442716, AW365684, BE764755, BF928672, AA361829, BE089925, BF958474, BF569973, AW069695, AA298005, AW079328, AW205237, AW055101, BE764723, BE177360, AA641808, AV646193, AW503617, N86274, AV652158, N84944, BF347741, R53518, AA358299, AA911712, AI963589, AI015168, BE207352, BF433230, AW581516, BE825316, AI459955, BF525420, BE764710, BF115100, AV746773, AA262269, AW023421, BE712882, AW276205,

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HELHP11	774	638064	1 - 1418	15 - 1432	AI811180, AI431326, BF681389, BF756842, AW876878, BE160753, AA831801, BF747666, BE077105, AI475294, AA862029, AU140753, AA832016, AW190277, F04838, AV699555, AA368329, AI520925, AI271762, F34605, BF951404, AU156820, AW961582, BE465696, AI871691, H59856, AA084320, AL118573, AW129188, R31264, R66407, AA218684, AA015948, BF037662, AI902426, AI805699, H05066, AA653291, AA171400, H24331, AA744095, AW338376, AW468128, AI890297, BF857725, AA728911, H23238, AW770050, AI799421, AA666066, T41134, AI130709, BE673152, AI536858, AI537995, AW778780, BE379437, AW937712, AW731811, AA633565, AW148775, BF815843, AI814682, AI291439, BE645220, AW471284, AI358557, AW971855, AW799144, AA429942, AI032411, R31260, AW673871, AA492524, AW959865, BF667838, BE883754, AW812736, AW850317, AW799150, AA493628, AI654520, N22837, AW469304, BF945325, AA297496, AW972521, AW799331, BE621946, BF672721, BE878646, AW342143, X84712, BG169787, AW272640, BF988799, AA744423, AA329535, BF588859, AV762430, AI131261, AI904944, BE885208, AU125854, AA226770, AU124706, AU147236, AV716506, AV731615, AI150934, R39627, AA579044, BG054770, BF870762, AI820992, AI890753, Z83844, X64467, AC005924, AC002381, AC007963, AL445669, Z97876, U02057, AC006101, AF252279, AC004526, AL138960, AC004217, AC004449, AL021394, AC005895, AL050348, AC005409, AC006164, AP001741, AP001610, AD000092, AC020934, AC005261, AL096761, AL022322, AC007057, AC010083, AP000500, AL121880, U91325, AL360175, AC005412, AC020913, AL031597, D86995, AL356863, AP000555, AC009134, AF165926, AC007327, AP000355, AC011506, AC003971, AL023799,

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HELHP11	775	851116	1 - 1469	15 - 1483	AI811180, AI431326, BF681389, BE160753, AV709139, AV704467, AW963652, AW962388, BE077105, AV741309, AW961606, BF756842, AV697659, AI271762, AU140753, AA329535, AI141964, AA831801, AW023376, AA653291, AV699555, AW963811, AW190277, AA226770, AA832016, AI520925, AI475294, AW961582, AA368329, AA714073, AI189682, AA484892, AA862029, BF244465, AI732720, AI206841, AA837771, AW876878, AU156820, BF747666, AV762430, AW968167, AI358557, AI130709, AI536858, AI537995, AW778780,

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HEMAE30	776	866169	1 - 1429	15 - 1443	BF446668, AV699469, AV699812, AV700001, BE465447, AI681423, AV699811, BF001314, AV700424, AI953344, AV700425, AV700572, BE182680, AA477265, AV700576, AV724510, AV699810, BG060077, AV699780, AV700125, AI954090, BF110903, AA494518, AI144017, AA969270, AI702211, AW273101, N30491, AV700868, AI978813, AV699769, BE218958, AW135207, AW576126, AI494021, AI469317, AI888061, AW103964, AI864491, AA779560, AI801503, AI346806, AI023812, AW768259, AA808213, AW241570, W47082, AW025977, BE327487, AI610977, AA058538, AW085929, AA186895, AA767851, AI696459, W46981, AA714553, AI825704, AA976741, AI160890, R63286, R76931, AA043968, AI274698, AW086055, AI285351, AI093513, AI291591, N21262, W00650, W00634, AW022960, AA046699, AA632935, BE181185, AA369741, AI906427, R56676, AI000554, N32910, AI478311, AW589716, BE046875, AI039345, BE816048, AA313383, R26874, AW194565, BF115742, AA812138, AA836559, BE182585, AA995568, AA043955, AW876678, AA315871, H08236, R49147, BF772914, AW015833, R68208, AA741529, AI885890, AI918526, T56234, AA188518, AA131696, N23372, AA102644, AA131540, N47538, AA938741, AA342022, AW770333, F09719, AI625377, R56838, R68209, BF753625, F02925, T52855, BE812882, N42052, H08333, AA057059, T52854, AA334969, AA329084, AA936409, H08313, BG149927, T65208, AI478825, AA192400, AA868920, N63310, F12081, D61944, BF886403, BE711046, AA847682, AA353681, BE008544, AW960333, AI540692, N89173, AI915496, AA046487, T25142, R27102, AI392876, R36066, AB029019, Z98750, AL096857, AL133635, AL162004, AP000035, AP000100, AP001713, AP000264, AC019058, AP000261, AC006080, AC024490, and AC024490.
HEMBV40	777	847069	1 - 1199	15 - 1213	AW137076, AV701197, AW562324, AW967292, AW327565, BE748274, AW327499, BF672996, BF677035, AW008598, AA843420, BE785812, AI031562, AI167776, W49538, AI141121, AI096878, AI167918, AI056375, AI024475, AI126963, AA845535, AV682322, AI274882, AI167765, W67238, AI401200, AI148568, AI096838, AI304666, AI149628, AA459854, W56346, AA725575, AV717069, AI832703, BF674345, AI274355, AI291729, W80622, BF215186, AA883278, AI735046, W77969,

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HEMCJ80	778	765041	1 - 2653	15 - 2667	AL523199, AL523200, AU132797, BG033844, AW752704, BF791612, AU134767, BE882970, BG023837, AW850681, AV716901, BG250459, AW242503, AW364612, AI690038, AA310038, AW235073, AI813312, AW388078, AW754239, AI031549, AI492106, AA580505, AI419783, BF115091, AW381145, AW005154, AW005144, AW005145, BF892474, AW377126, AI377010, AI363349, BF334100, BF334099, AA663976, BF881074, AI669839, AA441896, AU155626, BE222506, AA039793, AW850701, BF229839, AI493359, T54337, AA447590, AW953413, N23462, AI656387, BG011070, AA448089, AI394095, BG015013, AI186775, AA883633, R20254, AW204403, AI916035, AW469004, AA056228, BF761363, AA429186, AI478551, AA599420, BG169502, C20677, AI358020, AW377014, R43710, AW339698, BE350123, AA258258, AA426605, AI910080, BF928854, AW367512, BF905253, AA669469, BF895940, AW367459, AI904238, BE843148, BF081847, AI525874, AK000286, AK023428, AK001654, AC020914, AC008750, and AC026469.
HEMCL55	779	581049	1 - 1342	15 - 1356	AI369563, AC008452, AC021432, and AC020900.
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HEMDR05	781	613273	1 - 1004	15 - 1018	AA442186, AW970091, AA832209, BE677299, AU151686, AA825400, BE644610, AI216270, AI092842, AI742898, AA629323, AI638665, AW440384, AI377888, AA195223, AW269798, AI652454, AW129439, AI095480, AI288339, AA233901, AA781409, AI332889, AU159324, AU145934, AW673161, AI479487, AI364173, AI160491, AA621151, AI807082, AI862436, AU150000, AA912407, AI383361, AW136093, AA195105, AA554279, AV739361, BE041627, BG178571, AW275539, H28293,

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HEMGK71	782	847374	1 - 1679	15 - 1693	AA494175, AL041375, AW974363, AI278440, AI277373, AW328446, AI521525, AA760655, BE300991, AW020150, AW855527, BE178609, AI310670, BE273825, AI049643, AW674023, AA857673, BF525663, AW979239, AI889995, AV732057, AI753904, BE677029, BF876674, AA573067, AW389929, AA584765, AA610381, AU144608, AA555232, AW192419, AI061313, AI568376, AI310787, AU160445, AI417464, AU149405, AA449997, AI922224, AI926102, AI349130, BE501670, AI439816, AW104161, AV761486, AA577706, AU159614, AI792092, AI821056, AI821805, AI984168, AI452836, BE856399, AV760579, AW177869, AI355246, AW238712, AA526542, AA515727, AW089625, BE062545, AI279417, AI280535, AI745116, AL035977, BE349249, AI922231, AI791659, AI921706, AU120416, AW970588, AI879968, BF725844, AW117860, AA490602, AA809125, AV722143, N68677, AW502796, AI797998, AV730440, BE328286, AW572721, AW341955, AI626035, AU117145, AI733856, BE140949, AI801563, AW265006, AW328185, AW166996, AA847499, AA719564, AW890425, AI435639, AV760508, AA298365, AW264548, AA669238, AI380617, AI915081, AI049845, AA838091, AA663472, AV758849, AW880986, BE677244, BF529925, AW337282, AI927275, AI805107, AV751848, AI744905, BE159517, AL079809, AW023111, AA689351, AI815583, AI816537, AW020198, AI318548, AW026305, AW469462, AI421950, AI361090, AI419337, AA599712, AW847344, AI755214, AW969743, BE676988, AI815425, AW151247, AW514065, AA644090, AA584241, AC004056, AC005899, AC010470, AC005200, AC004895, AL109627, AC005006, AC008733, AL031123, AC013434, AC004797, AC005839, AL022331, AC008277, AC008395, AP001728, Z86090, AC006162, AL023693, AL139100, AL022721, AL121753, AC009194, AP000558, AL096840, AL133545, AC002126, AL049759, U78027, AL109797, AP000552, AC009362, Z97985, AL109963, AC007537, AL162390, AP001717, AL390738, AC004655, AL445687, AC006345, AC007226, AC008649, AJ295844, AC021036, AL136170, AP001720, AC005231, AC020552, AL136296, U82828, AL033529,

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HEOMF59	783	583518	1 - 1122	15 - 1136	AW962327, AA310991, AA482322, AA482226, AC011088, AL008987, AC011088, AC011088, AP000795, AP000795, AP002497, and AP002497.

HEOMJ73	784	821327	1 - 2391	15 - 2405	AI809846, AI769413, AW467068, AI992107, AI992108, AI214751, AA939120, AA584822, N87943, BF790508, AV706768, BF904474, AA622801, AA347969, AA602906, AA610150, AA633424, AI690750, AI925860, AI925869, AA664604, AI801505, AI400912, AW512344, AA367788, AA302794, AI472686, AA349016, AU136492, BF977921, BF340209, AA076632, BE315422, AA469441, BE743252, AA130662, AU158253, AW968156, AA722014, AW338021, AW338035, AV706166, AA366847, AA652059, AA878954, AW974700, AA636102, N22153, AW073498, AI929410, AI753672, AI750950, AW501411, AU155161, AU138468, BE615527, BF927037, AA614139, BE615146, AA626637, AA553448, AL047427, R44841, AI061414, BF950378, BF858756, H22977, AA525409, AU144015, AA174141, AU147905, AF114149, AA650447, AI832641, M26434, AP000011, AF064861, AC006040, AL049589, AC005154, AC004383, AL365367, AC005187, AC010422, AC006975, AC025226, AL163279, AC008583, AL031577, Z98748, AC006538, AL031074, AP001728, AP001726, AC005098, AL162740, AP001670, AC006571, AC003010, AC006441, AC020663, AL109855, AC005058, AC005355, AL137129, AL023693, AL391374, AL138740, AC004859, AC002094, AC007314, AC007245, AK025575, AC010150, AL137228, AC005730, AL138725, AL035249, AL022401, AC007157, AL139826, AC022493, AC008720, AF165926, AF165176, AL022238, AL353777, AC005697, AL117340, AC007676, AC011470, AL132653, AJ006995, AC004867, AL136992, AL359077, AL163283, AF029308, AC003071, AC005011, AL022163, AL049576, AL136090, AL136137, AC005773, AL353745, AP000246, Z82189, AP000500, AP001710, AC005094, AC006948, AL049840, AL135905, AP001719, D89060, AL096791, AL121896, U91322, AC005104, AL121823, AC007900, AC004587, AC020947, AL109623, AL359763, AC005261, AL117258, AC011890, AF107885, AL137818, AC004011, AL136300, AL050404, and AC006482.
HEOMR67	785	833054	1 - 2923	15 - 2937	BF204304, BF526629, AI862671, BE467828, AI763142, AI640175, AI628675, AW028053, AW299941, AW168042, AW084682, BE391859, AI925714, AW408439, AA917957, BE166433, BE166432, AI660269, AW195537, BE541250, AW405352, AI479258, BE220293, AW014474, BE468083, BF437929, AI307363, AI689830, AI127618, AI632931, AI141032, AI653755, BE246033, AW580452, AW794817, W20018, N51963, BE671077, BE208118, AI391748, AI092093, AA456071, AI400561, AA455574, AI143272,

					AA451632, AI041802, AW967664, AI927327, N91084, AA149536, AA640187, BE813348, N62344, AI265878, BF349401, AA001912, AW151052, N72996, AA001325, AA233047, AI361658, AI888990, BF057171, AI569181, BF476204, AI932787, AI469776, AV710299, BF897921, BF849875, AI262263, AI302905, BE719748, AI459835, AI419492, AW794941, N36823, AI498801, BF989718, AA251659, AW057966, BF108606, BE395587, AI422148, R63280, R76780, N63733, T97658, AA825147, R76891, BE831446, AA988431, AA713874, AA552073, H59120, AI341795, H71986, BF944047, BE858292, R06260, AW300388, AI867600, AW194620, AA808539, H28499, AI767186, AI880786, AA385842, AA890304, BE672770, BF082184, BF154499, T78095, BE162971, AA232957, R77054, AW191589, BE718367, T97657, AI932785, AI866279, AI702830, N46043, T78266, AA151950, BF082173, R76467, AA490780, AW589764, H53848, R06318, AW771105, AA234754, BE926059, AA417838, AA417720, AA323940, H53473, BE084761, AI149255, AW592934, AA725057, AA625832, AW593694, R63229, H27984, BF341659, H59161, N91376, N79102, BE716300, AA323479, BE819746, AA062660, BF083668, AW381902, AA362821, D62439, AI572337, W02960, BF848528, BE932152, AI277251, D80119, AA768703, BF848527, AW381849, AW272046, BF749411, BF107177, BE767199, BE814575, BF436251, T24577, BE005040, AL513865, AL157789, D87434, AL122002, and AL161423.
HEOMU25	786	732063	1 - 1695	15 - 1709	R94856, H74067, R94857, H73802, AL121941, AL021939, AC004892, Z84482, AC004829, AL035453, AC004541, AC007073, AL159164, AL159164, AL121941, and AL121941.
HEOMU44	787	778085	1 - 1871	15 - 1885	AA927690, BF980461, AW237092, BE885551, AW237137, AI935281, AW467637, AI650475, AI590556, AI628080, AI963620, AA203521, AI338027, AI281023, AW803966, AA766731, AA604575, BG164935, BE336651, BE466150, AI609068, AW058425, AI984984, AA278635, AI689223, AW083923, AW838556, AA483799, AA915891, AW473973, BF930829, AI281118, AA864952, AI033401, AI131367, AW029023, AI537394, AW576801, AL047806, AU159069, AW054860, AW131342, AI050729, AI278563, AI806684, AI285145, BG231718, AI304815, AI808414, AW575731, BF437511, AI694866, AA159506, BE550607, AI049943, AI417234, BF908924, AI802782, AI566892, AW004875, AA854319, AA031293, W87523, AA994753, AV686028, AA047286, AI753409, AA252803, AA554061,

					AA480172, T87897, AI802574, BF001776, AW470319, BG168493, AA261816, AW601171, AI015310, AA262513, AA834916, W81534, AI867812, BF887241, AA604150, AW975141, AA665075, AI767613, AI288554, H99123, AA040790, BF085083, AA041227, AA099000, AW796065, AI143400, BF959170, AI184520, AW205569, AI866914, T87990, BF990243, AI824434, W81533, AI149983, AA278634, BE140190, R00576, BF196036, AV734988, AI123417, F10539, AI633765, AA565665, AW390466, BF818976, AI635966, BE715035, H05298, AA047147, T79535, AA707452, R33795, AW263579, R00680, AI719514, AI810930, R44484, H44719, R38562, T97738, AA759017, AW864729, AW949468, AI651401, AA376368, AW752564, AL516235, AA223495, AW194865, BF365231, R33794, AW004034, AW175987, AL118928, AA502294, AA725634, AW205363, AW175972, AA099069, AI376279, AA248814, H62063, BE673639, BF511789, BF980891, AI653509, BG033518, BF056435, AA293345, H61156, T97844, BF877779, AA402916, BF081809, AA399425, AA455122, AA402630, AA402812, AW469148, AW051088, AI863002, AW364690, AW075382, AI698391, AI684244, AI874261, AI590043, BE393784, AA761092, AI524774, AI452560, AW104666, AI918435, AW192300, AL514093, AW834282, AW983754, AI796568, AW195253, N25033, AI540831, AI961887, AI539847, AL514799, AI370623, AI628325, AI889189, AI699823, AW983783, AW188525, AI564389, AI696603, AI866090, AI620214, AI075885, AL514871, AW129541, AI673352, AA164251, AI364167, AI635154, AW196472, AW078606, AL514809, AI636588, AI678623, AI419826, D80009, D87018, AC026273, AP000526, U97675, I89947, S82852, A41579, X78627, Z97214, A52184, AR038854, AL137480, AK026210, AK000414, AF267849, A77033, A77035, AX040974, AK000793, X82434, AF080068, AK027052, A08456, A31057, AL139099, AK024747, AX006054, AL122100, AL137530, Z13966, AJ010953, and AF061981.
HEONI85	788	566833	1 - 1064	15 - 1078	AI003777, BE561866, BE675167, AW665816, AW027541, AA883370, AI914419, AI660782, AI523636, BE397488, AI432707, AI937073, AW172586, AW662895, AA760682, AI949709, AI912247, AA459011, BG169613, AW575936, AA262133, AW293520, AI379541, AW405169, AA831958, AA833767, AA766594, AW192193, AI475826, AA465590, AA767588, BF871361, AI674976, AA836606, R53785, AA480888,

					AI583105, AA765020, AA764869, AA262134, BG106737, AA174152, AW407122, AA765353, AR096769, and M37030.
HEONK04	789	658682	1 - 1539	15 - 1553	AI760011, AI538476, AA694296, AW408272, AI052200, AA678263, AA746203, BE222586, AI476354, AA879070, AA468710, AA884265, BG059254, AI189483, AA740509, AA450047, AA677786, BG005941, AW968388, AW967411, AW440987, AA988660, AW440832, AA465503, R06125, AI247125, AW796610, W86979, AA255787, R12369, AA987798, AI244267, R85847, AA452680, BF902891, AW408273, AA743030, BF089815, AA776278, BF895368, AA054511, BF901550, T80782, BF998144, AW118269, BF925862, AK000783, AF146531, AB032698, AB032707, AB032710, AB032708, and AB032709.
HEONP08	790	601691	1 - 1244	15 - 1258	BF593912, AU145929, AI742942, AV723392, AA193565, AI694760, AI264061, AW779774, T97909, T97910, BF970161, BF724691, AW198038, AW079368, BF725644, BG163618, AW169671, AI539771, AI539153, AI637584, AI520785, AW129170, BF725868, AW104724, AI811344, AI885974, AI889376, AL514701, AI812107, BF727091, AL513991, AI446606, AI590021, AI445025, AI690312, BF342070, AI475451, BF526020, AW169653, AI804585, AI687362, AI802542, AI439087, AI568296, AI281837, AI453322, AI619502, AI696612, AI520862, AI564719, AW071349, BF812938, AI433157, BF812961, AI612920, AI571551, AI572787, AI249257, BG179993, AI636719, AI702433, AI884469, AI274541, AL514155, AW148408, BF341801, AI570909, AI702406, AI584140, AI805638, AW150578, AI269696, AI909697, AI433976, AI812080, BG118199, AL515191, AI610690, BF527014, AI783504, AI440239, AL514867, AW301409, AI554484, AI560099, AI573032, AI590120, AL040243, AL513553, AW082040, AI536638, AI888501, AW086113, BG180034, BF792469, BF726504, AI912866, BE048071, AL514025, AW130776, AI684234, BG058398, AW026882, BE875407, BE965169, AI922901, AI554427, AI702073, AI648684, AW274192, AI888953, AA835801, BE048135, BE018334, AL515413, AI282504, AI921248, AI921232, AI498579, AI799199, AI583065, AW102785, AI499131, AI921244, AL513911, AL514087, AI677796, AI569583, AI926790, AI273048, AI784252, BF792961, AI872711, AI567612, AL514473, AV755668, AW198090, AI633308, AI500077, AL513577, AI590530, AI625079, AI859511, AL121328, AI538829, AW083783, AL513947, BF868489, AI654750, AI521100, AI922676, AW827289, AW008048, AI281779, BF055737, AI857296, AW132056, AV726605, AI591316, AI224992, AW088793, AI828731, AW162071,

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HEPAD15	791	587299	1 - 332	15 - 346	AA335381, AC008534, AC008534, AC008534, AC025766, AC025766, AC018806, and AC018806.
HEPBC23	792	799985	1 - 527	15 - 541	AW629449, H66087, N41736, N78850, AW075419, AI683718, AW206275, AI138920, AI373625, AI200357, BF057240, AI239909, AW665887, AI133114, AI280134, AA975421, AA911235, AI149811, AA707273, AI280132, AV647294, AI867641, AL040902, AA854195, AW136195, BF056396, H66042, BF115978, AI983341, AI888066, AI479484, AI289301, AW024182, BE717041, AW961568, AI193472, AI003773, AA994171, R08936, AA330432, R85613, AA828633, AA828634, AI201253, AA905843, W52485, AA890157, T47813, AL534043, AW949857, R94967, AI266519, AA902857, W17121,

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HEPBV09	793	588404	1 - 450	15 - 464	AI521155, AI452634, AI003488, AW274256, AA634329, W32478, AA435577, AI289997, AA782155, AA730771, AA730762, AI908762, BF736321, AA436725, X81892, A93546, AC034283, and AC034283.
HEPCF35	794	603521	1 - 439	15 - 453	BG054617, AA736772, AL139180, AL139180, AL139801, AL139801, and AL139801.
HEPCU48	795	805585	1 - 2198	15 - 2212	AL535214, AL040643, AL040644, BF984005, AL515259, BE467686, BF528350, AW603681, BE018704, BF448183, BE315558, AI650302, AL042804, AI650559, BF195768, AA894913, AI554609, BE465163, BE551069, AW300584, BE503133, BE328819, BE671125, AI568388, BF983767, AA670164, AI797053, BG180466, AA621570, BF223633, AI563968, AW246320, BE046386, BF062444, N25930, AI298438, AW770569, BE674277, AI927626, AI609030, BG149693, AA984239, AW005800, AW088169, AW138432, AI564013, BG007394, N41486, AW612787, AI126557, AI803219, T48178, AW770770, AW014098, AI962504, AI357569, BF195970, AA040929, BF064166, BF435240, H97941, AI972673, AI343941, AI275817, AW242349, AW242665, AI795978, N70583, BE302273, AI536786, N29462, AI357419, AA468485, AI620137, AA467890, W45584, W04884, AA102261, AI040293, AW779786, AA974172, AI565749, R59318, BF038852, AI537410, AI088418, R37635, AW958851, AA099791, AW003157, AW236035, BE463765, N35536, T51561, N39275, N35574, R59317, AA040930, AA993669, AV688569, W45547, AA467832, AI824739, AA173919, N42494, R35817, AW237627, AA865263, R13777, BF358807, BF981084, AV656732, AA344737, AI630737, AI868876, AA299579, AA357540, AA211260, BF196978, AI741060, AI632149, BE326367, AW582605, N26485, AA470359, N56162, BF732830, AA464150, AL515260, AI241922, T25989, AL042803, BF002859, AK000391, AK000475, AF095136, AF095150, AF095147, AF095149, AF095142, AF095143, AF095148, AF095146, AF095145, and AF095144.

HEQAH47	796	877634	1 - 1504	15 - 1518	AL519977, BE383449, AL043766, BF061686, BF221776, BF310701, BF060773, BF434074, BF062728, AI659849, BE313561, BF314046, BF316323, AI659290, AI824840, BF061701, BF312471, AI751263, AI685765, AI591068, AI587181, AI920932, AI400351, AI148305, AI955664, AI652541, AI675888, AI653379, AI424943, AI128448, BE313794, BF437698, AI275016, BF590996, AI561014, AI660936, AI491938, AI968617, BE047763, AI127265, AA643524, BF313828, AI866540, AI751264, AI828892, AI824814, AA970985, BE855979, AI589275, AI768084, AA477627, AW371357, AI926713, AI969893, AI335684, AA057195, AA478085, AW193325, AW002099, AI672890, AI991492, AI225080, AW191017, AI804237, AI918988, AI215462, AI660046, AW263221, AW166456, AW361968, AI923034, BF939318, AI672957, AW008276, AI421034, BF941981, AA101823, AI474549, BF514389, AA968480, AW591386, AI972480, AI758252, AI277535, AI611291, AI446797, AA627406, AW082500, AI673160, AA127893, AW085658, AA101824, AI491939, AI445814, AW513225, AI656563, W21432, AW590943, AA128143, AW196052, AW452957, AI419247, AI356191, BF593921, AI339204, AA973738, BF196865, AA973140, BF941530, AA423796, AA962026, AI572714, BF593478, AA057129, AA834119, AI333104, AI401697, AI539260, AI628325, AI345415, AW163834, AI590043, AI698391, AI440238, AL047763, AW130362, AI523973, AW150622, AW008166, BF531023, AA565269, AL042567, AI361701, AI619820, AI434731, AI653402, AI880111, AI500061, AI345688, AI862067, AI800648, BE393784, AL037602, AI872423, AI524179, AI289791, AI927233, AI565172, AL037582, AI866469, AI370623, AL079963, AI678446, BG250475, AW189716, BF909758, AW196720, AW129659, AW081383, AI784214, BE964705, AV659072, AI244343, AI445611, AI680467, AI250646, BG260772, BE877401, BE907624, BG034598, AI699823, BF724420, BE904851, BF750886, AI869125, AI869377, AI582932, BE957870, AI638644, AA659688, AL036241, AI972112, AI345612, BE867194, BF035213, BE905161, BE873695, BE877904, AI345416, BE967004, AI627714, AW188525, AI251221, AL036673, BG169738, BF525838, AI290677, BG256090, AI470717, AI499570, BE963809, AW051088, AW983832, AW117882, AI471282, AI621341, AI440239, AW130104, AI866127, W45039, AI536574, AI583558, AI583578, BG118199, AI889189, AW075382, AI348847, AW083572, AW161202, AI366959, AI633125, AI800341, AI310575, AI869765, AI860027, AI538564, AI335476, AI866040, AI915291, AW152182,
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HEQAP92	797	637608	1 - 1484	15 - 1498	BE870110, BF110955, BF245246, AI671615, AI765377, BE503202, BE968460, AI798697, AW970595, BF111075, AI334153, AW590408, AA809300, AA716505, AW025166, AI126284, AI262175, AI379518, BF817198, AW195049, AW466984, AI582627, AW194715, AI248644, AI278798, AI276018, AI151157, AI089257, AI276006, AA406266, AI922804, W31763, AW300492, AI040123, AI687327, AI262819, W19943, AI991449, BG112541, N94997, AA156360, AW612377, AI139499, AI263800, AI687478, AW578425, BE000876, N95004, AI250153, H22950, AI203194, AW614122, AA421743, AI084309, BE006695, AI089256, BE006679, BE006689, BE006680, AA742600, BE006681, AW003136, AI352657, BE006685, AW295384, AI796140, AI242597, AI870465, N92627, AW402821, AA669368, AW205039, BE927872, AI811814, AI811430, AI971277, AI762891, BE927859, BE766420, BF839146, BE898789, BE314949, AA913312, W39139, N91023, AA503308, AI784285, AW273935, BE789892, AA155877, AI654486, AW390245, AL136980, AK026962, AL136980, AL136980, and AL136980.
HEQAV53	798	722016	1 - 1612	15 - 1626	BG180327, BF340448, BF432731, AI879411, AI833017, AA524714, AI872048, AW274016, AW300989, N28852, N28844, N21614, AW241800, AI743068, BF591702, BE258646, BF976800, AI885332, AI435154, AI081766, BE464912, BF509829, AW044141, AI457562, AL134998, AI254743, AI582974, AI142735, AW015178, AW893386, N21609, AI699941, AI355838, BF879653, AW972249, AA045436, BE042420, AA102591, AA193370, AI306131, AA994855, AW051084, N31903, BF699493, BF980926, BG257686, BF985076, U84249, AF059195, Y11514, AB009693, and AB026487.
HEQBJ01	799	834633	1 - 655	15 - 669	AW674190, AA506984, AI479185, AA825728, AW293518, AA581790, BG034042, AI298011, BE503479, AI889014, R51293, AA421239, AW237314, AI867571, AA433904, AA420605, AI860811, AW440819, AI147954, AA070872, AU130720, BE670583, AI765413, AI765401, AI432178, AI015938, AA565222, BE219974, AA569041, BE502734, AW772442, AI589634, AI744148, AW169762, AA534578, AI197943, AA171761, W51790, AI422286, AI744113, AI916160, W45413, AW591668, R52097, AA425349, AI076564, AI768356, AI188829, W73608, AI149224, AI160529, R59310, H62930, AI708313, AW511347, W81420, AA421279, AI271621, AI768849, AA806028, BE702753, AA815452, Z38264, T87186, AW971745, AI370602, BG152825, R50941, BG105308, AA172002, F01748,

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HEQBJ01	800	861786	1 - 2777	15 - 2791	AU123703, AI744148, AI744113, AU130720, BE897357, BG105308, AU137281, BF308835, AI860811, AI889014, AI765413, BE546221, BE670583, AW237314, BG248530, AW952369, BE502734, BE503479, AI765401, BE540301, AL042645, BF212478, AW500417, BG249708, AW674190, AI867571, BE018153, AW293518, AA534578, AI432178, AW169762, AA506984, BE389321, AA420605, AI142237, AA406169, AW591668, AW188054, AI147954, AA430324, AL040186, AI197943, AW502601, AI589634, AA569041, AI015938, AA433904, AA070872, AI188829, AI124780, AI149224, AA421239, AA420647, AI916160, W73655, AI076564, AI768356, BF592904,

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HEQBJ01	801	876546	1 - 2777	15 - 2791	AU123703, AI744148, AI744113, AU130720, BE897357, BG105308, AU137281, BF308835, AI860811, AI889014, AI765413, BE546221, BE670583, AW237314, BG248530, AW952369, BE502734, BE503479, AI765401, BE540301, AL042645, BF212478, AW500417, BG249708, AW674190, AI867571, BE018153, AW293518, AA534578, AI432178, AW169762, AA506984, BE389321, AA420605, AI142237, AA406169, AW591668, AW188054, AI147954, AA430324, AL040186, AI197943, AW502601, AI589634, AA569041, AI015938, AA433904, AA070872, AI188829, AI124780, AA421239, AI149224, AA420647, AI916160, W73655, AI076564, AI768356, BF592904, BE464156, AW772442, BE219974, AI638215, BG034042, AI125307, R51293, BE812953, W51790, AA172002, AA425349, AA565222, AA313542, AA825728, R35270, AW204507, BF306159, BG152825, AA100809, W28763, BF223048, AI222042, AI479185, W26572, W45413, W73608, R52192, AI160529, AW440819, AI422286, AI298011, AA171761, AA421279, R51403, H62930, R52097, R59309, BF880022, AA581790, W81419, BF844067, AI768849, W40121, AI708313, AW511347, AA373236, AW368276, BF844000, AA434583, AV747735, Z42217, BE702753, W81420, AI962360, AA325784, BF879714, R59310, AI271621, T25845, BF879715, T06069, F05246, BF880008, AA806028, Z38264, AA071023, AA815452, N54389, BE929180, BE929187, BE929175,

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HEQBM94	802	580823	1 - 1011	15 - 1025	AL524318, BE259307, BF684415, BF026559, AA731740, AL524319, AI823871, AA099118, AW410515, BE048828, AI018005, AA404348, AI830382, AI693468, AI239456, AI207410, AI751650, AA748998, AW014917, AA149023, AA766177, BF590456, AW405480, AA779353, AI281347, BE394435, AA748482, AA610231, AI088514, AA149022, AW468419, BE673033, R73023, BE410751, AA488631, AW074036, AI433436, BE896825, AW410514, BF973593, AI559723, BF438403, AW193727, BF115627, AA922974, BF307606, BE958389, AI751649, BG231451, BE002990, AA099117, BF724508, AI687624, AL515171, AA845918, BG113168, AW972845, AC020908, AF315354, AC020908, and AC020908.
HEQCB93	803	570801	1 - 906	15 - 920	BG179787, AI651287, AI057110, AW173050, AI224153, AA778654, BF108402, AU144267, AA927642, AI928326, AI918905, BF432742, BE550831, N99209, AI621109, AA861647, AA912816, AI051766, AI338452, AW590969, AI984389, AI873347, AA381210, BF693843, N66209, AW025785, AA381211, BE893215, BE326582, BE674192, R81963, AA974626, BE218077, AA810143, AA932905, N64580, AV703747, AW611624, R81962, N92995, AI917790, AA057313, F03225, AI928219, BG149497, BE618736, BF671020, AW883842, BE464990, AW242580, AI690300, AW770453, AA978314, AI802542, BF669247, AI521012, AL514473, AL514359, AI538716, AI804585, AI433157, AI783504, BF725126, BG036846, AI439087, BF812961, AL514867, AA572758, AL119791, AI475371, BE966479, BE964682, BE047952, AI812080, AL513947, AI567351, BF338233, AA640779, AL514701, AI473451, AL513907, AI702433, BG180996, AL513597, BF816811, AL513553, BF725644, AI564719, AL036802, AI499131, AL514025, BF904194, AI432969, AI620284, BF812938, AL513999, AL513977, AL514097, AL513763, AL036396, AI349933, AW238730, BE964812, BE048071, AL515373, BE963918, AW068845, AI539153, BE894455, AI539771, AL513631, BE964700, AI866608, AW169653, BE964741, AI654750, AI469532, BE048319, BE172412, AI811863, BF344652, BF527014, AI499393, BE781369, AL513577, AI678989, AL514793, AL045500, AI932953, AI475451, BE965190, AI309401, BG179250, AL038605, AV660662, BE874133, AI349645, BG031664,

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HERAI63	804	637610	1 - 801	15 - 815	AU122146, AK022346, AP001320, AP001320, AP000663, AP000663, AC011875, AC011875, AC011875, AP000848, and AP000848.
HERAQ22	805	603522	1 - 572	15 - 586	AL356355.
HERAS61	806	603186	1 - 232	15 - 246	
HESAG57	807	855936	1 - 1687	15 - 1701	AW992984, BF945249, BF921430, BF921431, BG003151, AA931479, AW341682, BF962779, R74148, BF090092, BF957794, AA025079, AW578880, BG223267, BF921106, R74054, BF966914, AW444971, BF897694, BE466545, BF057034, AA356141, T12116, AI143874, BF887863, BF944825, W40521, H14247, BF875513, BF897695, AA249536, AI902570, AL044898, AW377628, AL044941, AW377639, BE166192, AW499980, AW377640, BE709338, BE831645, AL040811, AA402442, AA011501, AA293841, BE883490, M85634, AF012072, E16400, and E16398.
HETAA62	808	828737	1 - 2579	15 - 2593	AW954643, AI453545, AI346427, AI348016, AA612573, AI601101, AW952595, AI123932, AA916423, AI346237, AI697840, BF955211, AA946618, R36320, BF210882, H43798, AW374530, F11803, F06514, AA457235,

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HETBB70	809	738530	1 - 714	15 - 728	AA605090, AA337621, AA910468, AA337624, AW966232, AA337596, AA337401, AA337608, AC018634, AC018634, and AC018634.
HETBJ88	810	855937	1 - 1683	15 - 1697	BG252201, BE894106, AV726464, BF970560, AV726994, BF132059, BF977798, AI703275, AW512938, AI767521, AI823746, AL529708, BE220262, AA583438, AI143608, BG007081, AW468337, AI949854, AI620344, AV727138, AI209187, AI630993, R70620, AW394003, AI004986, AI565892, AI367983, BF056815, AV715169, AL529709, BF381743, AA931697, BG007658, AA152183, AI025252, AA297479, AA150060, AA088574, AA565300, AA995899, AA297478, H71679, T84083, AW138535, AA367654, R24591, AI865989, D29436, T83438, AA044326, AW338484, R21165, H00983, AI005551, AI669105, R76620, H39751, Z45535, BF091777, AA971307, BF083909, BE934286, AW138127, T84151, AI554153, BE550213, AW945769, AW373316, AW373313, H01724, BG164577, AW051517, T89390, AA180271, BF083903, AF140242, AL133390, A68713, AF140241, and AX013137.
HETCM67	811	861909	1 - 2033	15 - 2047	AI927716, AA479710, AI624420, AI696897, AW977816, AI470208, N64824, AW298323, BE833841, AI921914, AW887718, AW605922, BE833813, AA280392, BE169428, AA648830, BE169440, BE833811, BE833805, AI866003, AA805155, AI624552, AI393447, BE833854, BE538260, AW879171, AW868522, AW364516, AI364737, AW868523, N75676, AJ242015, AF137334, AJ242014, AF137335, AR088818, A61275, and A61276.
HETDD61	812	800668	1 - 1791	15 - 1805	AL520924, AL524864, AA203228, AW957754, AW970499, AU145242, N58127, AI970999, BE207510, BE242723, AA805508, BF087903, N52797, W87571, AA543049, AI224173, AA481100, N49240, AW086144, W87476, AI702077, AW439223, AA480173, AI208249, AA481045, AA676568, AA968423,

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HETDD61	813	852381	1 - 1790	15 - 1804	AL520924, AL524864, AA203228, AW957754, AW970499, AU145242, N58127, AI970999, BE207510, W87571, BE242723, AA805508, BF087903, N52797, AA543049, AI224173, AA481100, N49240, AW086144, W87476, AI702077, AW439223, AA480173, AI208249, AA481045, AA676568, AA968423, AA977512, AI339421, AW957756, BE350713, AA551673, N57619, H61729, H18441, H90534, H90630, AA354107, Z41571, AA337628, AA948533, AI990383, AA337623, H24029, H22748, AW945283, BE825526, H18549, H61939, BF082936, AW945334, AA336808, AW873749, BF082937, N58971, AW075792, AU118752, BF333412, AI270746, AA002111, AA002112, AW072594, BE825410, BE049263, AK001045, AF092094, AF155157, AX013111, AL137856, AL137856, and AL365321.
HETDJ34	814	637614	1 - 1224	15 - 1238	BF791742, BF526721, AI304881, BF792031, AI459243, BE467288, AI916538, AI718418, BF031718, BE501877, BG150493, AI912654, AI498391, AA059408, BF691493, AW207847, AI052711, BF701336, AW341065, AL035742, AW242405, BE670842, BF817893, BF115712, AI796819, AA625201, BE958164, AW264015, BG110630, BE673755, AI075327, AI479086, AI307260, BF696638, AA058947, AW771770, AW674547, BE349893, BF696222, AL036505, AI306737, AA873738, BE856443, AI089159, AW471012, AI061110, AA058955, AW769102, BF184626, AI680667, AA017172, AA722053, AA018715, BF238475, AA040642, D63232, R48121, D63244, R72932, AA040655, AA456848, AA665954, AA045519, AI216040, BE080683, R81262, AA363925, R48008, AI708308, AA483671, AA045531, AA282049, BF668061, AA767266, AW979175, AA829668, H85557, BF131593, AA878356, AA877037, BF035657, AA834829, BF571044, BF381843, AF130358, AL163206, AF130249, D16945, AF130249, AF130249, AF130358, and AF130358.
HETDM73	815	847071	1 - 2258	15 - 2272	AW859595, AW859596, AW340972, AI763378, BE673848, BF678341, AW516306,

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HETDP76	816	782836	1 - 2797	15 - 2811	<p>BE378688, BE792184, BE747403, BE790771, BG252983, BF979507, BE315449, BE792908, BE887266, BE887249, BE908101, AW977406, BF508805, AW131483, BF972456, BE222913, AU127037, BE256170, AI354534, BE279802, AI657484, BF974001, AI151425, AI608760, AW593851, BE710197, BE717044, BE301185, BF591219, BF591233, AI972581, AI638813, BE252048, AI609799, BE256512, BE551348, AI770141, BF115703, AW269413, AI740485, AV748316, AW970219, AW970210, AA534617, AI188123, AI343505, AI219473, BE785211, AI005297, AI022921, AI094293, AI950233, AW874054, AA099881, AI143692, AW970298, AI057002, AI376161, BE351003, AA081897, AA766568, AW271588, AA857338, AW886114, AA085894, AA088846, BG166166, AW181967, AI858680, AW237526, AI288352, N58958, AI681580, AA056343, BF769659, BE884378, AA411756, AA493124, N99111, BF027217, AW886266, AA602723, AI439700, AW084048, W56697, AI401079, BF002525, BF032645, BE384064, AI888436, AI623356, AI313134, H12094, AI434718, AA886123, AI091547, AU149761, H39578, AW952598, H12093, BG152503, R92186, AA333116, W56689, AI343482, H40007, AW886119, AA406570, R17341, R50065, Z43579, AA505835, R92290, R82931, AA932172, AI753526, AI422605, AI273940, AI653831, BE502201, AA337242, AA337718,</p>

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HETFO57	817	844190	1 - 1744	15 - 1758	AL518555, AU119531, AU142820, AW968143, BF664775, BF337143, AA418662, AI633833, AW003153, BF698397, BF670870, BF243932, AI621083, AI927066, BF209950, BE501981, BE535789, BF383031, BF669438, BF697367, AI638855, BF541431, AA722313, AU153537, AW614175, BF240409, BF382590, AU145845, N34796, BE645941, BF696334, AI609090, W88607, AA281630, AA743141, AU160025, AW768645, N36401, AI766687, W88547, BG166557, AV658599, BE925030, N49951, AI367067, AA226957, AI285539, AA481407, N54323, AI471632, AI351081, AA281691, W88968, AL530192, AA897363, AI056786, AA688082, AW511733, BF030837, BE935247, AA693840, AA195526, AA418598, AW511727, W88526, AA370327, N52732, AI803464, N44277, AA481640, AI219685, AA113442, BE552056, BE503399, AW196685, BE502251, AW613978, BF907597, N44518, AW517303, AI968841, AI351189, BF983283, BF327997, AA927769, AA620829, AI955091, AA249323, AI630746, AW083061, AI026823, AI066571, and AK021847.
HETGZ31	818	847072	1 - 1904	15 - 1918	AL529398, BE797428, BG252183, BG171613, AL529399, AU124616, BE887740, AU131102, BG166755, AU123672, BG249967, BF344072, BF970619, BE251781, AU135425, BE256388, BE906817, BE393139, AW439814, BF129108, BE872840, AW026131, AW149540, BE966473, AU148440, BF940933, BE535345, AI608873, AI669338, BF331001, BF751518, BF184939, BE538371, AU136466, AW771147, BF031508, AU152852, AW474975, AI161399, AI860693, AU153427, BF243271, AA196512, AW959574, AA767364, BF800347, BE541712, AA573918, AI860554, AW105335, BE906934, BG250634, AI961324, AU152980, BF154795, AI421437, AI090203,

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HETHD26	819	771521	1 - 1803	15 - 1817	<p>AI028241, BE746987, BE259013, AA203219, AI929630, AI332354, BG169099, AA688143, AI283081, AI051964, AA861742, AW163756, AI025060, AI363484, AW167066, W95027, AW962562, AA700252, AI218657, R85013, BF933152, AI265882, AI350761, BE931192, W93342, AW385055, AI564874, AA577549, AA906584, AA976182, AI799281, H21584, H26794, AI864024, AI351906, AI040478, AA737782, AI276732, AI017479, H26542, Z44715, F11322, BF933254, AW172721, T31603, AA857043, AA905382, AA582308, R78959, AV724383, BE810336, BE810666, BE810662, BE934885, AW840118, BE934872, AW840121, BE810616, BE810590, AW840025, AW840017, AW840032, AW816814, AW939815, AW816801, AW816755, AW816804, AW816802, BE810680, AW839975, AW816796, AW840119, AW840126, BE934863, BE810561, AW840276, AW839989, BE934947, BE810673, BE810684, AW840020, AW816807, BE810534, BE810553, AW877302, AW840021, AW816809, AI681547, BE810746, AW840271, AW840130, BE810739, BE810591, AW840291, BE810569, BE934866, BE810737, BE810525,</p>

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HETHM27	820	610080	1 - 946	15 - 960	AL521042, BE645133, AI193969, BE549921, AL045984, BE552220, AI816899, BF591967, AW026994, AI078553, AI479647, AW242295, AI917285, AI810135, AA400227, AI950353, AI335090, BF447605, AI084458, AW514167, AI354824, BF223308, AI168529, AI383574, AA234779, AW263194, AW351992, BF858113, AW069150, AA732763, AI279365, AA988514, AI522269, AA780536, AI150050, AI223221, AI656675, AA732226, AI598176, AI521573, AI702205, AI474183, T23558, R11387, BF195502, H23999, AW015983, BG002129, AW874366, AA743329, R59364, AI868447, AW848589, AI270303, R60956, AA418610, AF114134, AI872945, AA234711, BF529852, AA994891, AW351577, R14883, BE143080, AA026989, AW882879, AA370474, AK025541, AL023803, and AK026412.
HETIN36	821	840363	1 - 622	15 - 636	BE501712, AW377424, AI697470, AI748801, BF115827, AW339456, AI700750, AI720744, AI279141, AI720421, AI985035, AI624856, AA630239, AI690207, AA552037, AI749272, AW302255, AI613073, AA486673, BE695899, AI709263, AA838075, AW780129, AI493247, AW273755, AI832808, BF437630, AI654071, AI925932, AW270873, AI833092, BF083323, AI700126, AI678144, R54622, AW001735, AA485303, AA953731, AI633999, AI720864, AI963703, AW614173, AA485460, AA555209, T94865, AW132088, BF767851, AW271969, AW377450, H14641, AA552441, AI889437, AI539136, AI459687, AI474787, BF767846, BF767810, BF767867, BF767852, AA347725, BF767815, BF767845, H26632, BF767808, H44026, T94910, BF767865, AI433393, AI273946, H70926, BF767134, T39321, BF767853, AW299847, AI470617, AI284215, D25586, AI678860, BF767847, AI916628,

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HFAAI17	822	607563	1 - 1081	15 - 1095	AA578621, AI440117, AI358712, AW271977, AW069227, AV764259, AW023111, AA642809, AW302017, AA424249, AA828570, AI301475, AW057873, BF965243, AA583728, AA128511, AA846923, AA669238, AI254779, AI754257, H73230, AA808982, AA610505, AV756491, BF916055, AI611533, AA630526, AA551268, AA713769, AA661550, AW672927, AA112924, AA368155, AA373861, BF032064, AW502873, AV733858, AW104163, AA701105, BF953591, AA687542, AI216990, AW872707, AA313075, AW852576, H71678, AI493583, AW238341, AI687343, AW518140, AA581263, AA833896, AA715173, H86221, AA833875, AA715075, AA364006, BE906142, AA338233, AA503307, AA936718, AV762245, BF904603, AA182731, AA501807, F03341, AA719073, AA308598, AW188742, AI590404, AW872574, AA513921, AL158046, AC005661, AF196969, AC005823, AC004686, AP001207, AC004878, AL137787, AC002288, AC010326, U80017, AL031589, AC007666, Z93015, AC008736, AC004841, AL022318, AL109942, AC011495, AC005529, AC005327, AL023879, AL117336, M87889, AC005527, AC027319, Z70280, AF001548, AC003081, AL138970, AL136132, AL138741, I34294, AC009228, AC007957, AC006312, AC005606, AC025435, AC009194, AC005071, AC005261, AC004263, AC004019, AC006430, AC002115, AP001693, AC007216, AC005000, AC002492, AL355836, AC003029, AC007193, AP001711, AC025594, AL031767, AC000025, AL035415, AC020898, AC009116,

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HFAAJ45	823	784174	1 - 499	15 - 513	AW975051, AI936575, AA600121, AW265012, AW270761, AA283904, and AA657833.
HFADF41	824	607557	1 - 782	15 - 796	AV707600, AW967329, AW963349, AV727065, AV706016, AW961606, AV654027, AV705697, AW963652, AV702425, AW962388, AW956514, AW967052, AV707331, AV705086, AW954242, AV709139, AW962006,

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HFADM09	825	899435	1 - 2224	15 - 2238	Z41946, BE767072, Z45779, T74152, F12543, H12184, H09230, H15502, AL119229, BF528583, BF528718, M62027, U84543, U26743, U46746, U26744, U46744, U46745, AP002411, AP002411, AP001270, and AP001270.
HFAUA23	826	636071	1 - 485	15 - 499	W80477, BF246833, BE150092, AA705447, AL038581, T09152, AA342804, AV713408, AW961911, BE222770, N72944, AK001384, AC005103, AF047825, AC002542, AL353574, AC004965, AC009336, AL136146, AC018635, and AC018635.
HFCAG75	827	834834	1 - 774	15 - 788	BE386659, BF126013, AI754653, AI733856, AV762633, AW974932, AW302705, N23504, AW302659, AV759507, AA515728, AI040051, AV759632, AA410788, AU147162, AA629540, BF725844, AW970987, BF804385, AA847499, AA644090, AI923052, BE139267, AA535216, AI669589, AW023111, AW020088, AA579179, AI587583, AI587565, AA602906, BE139358, AW973992, AI962030, AI926728, AI675615, AV656063, AV756056, AI279417, AV760508, AI537020, AW062724, AW970871, AA714011, AW964231, AA513851, AW575605, BF681619, AV761107, AV763026, AV763058, AI753488, AA833875, AA833896, AW975049, BF525663, AW979058, AA904211, AI891080, BF589824, AL079645, AA630854, AW328331, AL040054, AA704393, BF725884, AI310670, AV758870, AV744179, AV757289, BF854308, AV763540, AA338659, BG250286, AI061313, AA634786, AA669155, AI017251, AW970877, BF678990, AA719073, AI521525, BE062159, AI251576, BE501593, AV756491, AA503298, AV764259, AW969743, AW819125, AA601674, AV761989, AV760915, BF805088, AV758790, BF793139, AA167055, BF530611, AI056177, AW188427, AI307201, AW833297, AA643770, AV764334, AI805363, AI473671, AC020913, AC002288, AC027121, AC024171, AL031735, AC007510, AL035089, AP000128, AP000206, AC007655, AL133372, AP000245, AL445567, AC021075, AL121761, AC018764, Z97353, AL109938, AC007444, AF217490, AP001709, AC005701, AC002060, AC005386, AC005226, AC019227, AC007030, AC005497, AC006543, AC006544,

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HFCAI40	828	866441	1 - 2997	15 - 3011	AU133390, AU141186, BG105851, AW340702, AI052245, BE876980, BE870990, BG171374, BE781473, BE897641, BG169230, BF976444, AW675122, BG114259, AU136081, BF663702, AW157222, BE876026, BG027045, BE395248, BF242581, AA164698, AA776449, BF664713, AA165344, BE379922, AW367403, AI393777, AW957486, AU156469, BF447107, AU154735, AU158633, BF768493, AW630760, AA164513, BF700762, AW519253, AU158823, BF513357, AI923938, AI636382, AW674712, BE566023, BF977244, AW519126, AI373330, AA972206, AW974394, AI658888, AI420086, BF690918, AA025025, AI936011, BF575717, AI312781, BF002565, AA164514, N33406, AW627536, AW013935, AA761500, BE566156, AA551396, AI351170, AW438977, BG001541, BF215540, AW674510, AA837366, AI755109, AA233339, R63394, AA523675, AW337650, AI539807, AA714823, AA971361, AA618210, T26470, AW163226, AA876755, AA952871, AI452607, AA541523, AA777549, AA872427, AI168612, Z45966, AI400984, R14651, D61892, R60601, AA374279, AI961944, AI572303, R51172, H60289, AA338768, AI687384, T26469, AV699261, R63451, R92939, R92938, F05241, AA853700, R15704, AI909252, Z38259, D62747, R44608, AA912129, AA025024, R60547, AI908147, R51056, F04818, D79435, BF733863, T98508, AW518569, BF572724, N44868, R36414, AI539203, R27533, AW572658, D62777, R16067, R28045, AA922183, R45630, R25674, D79635, BE830643, R19338, AA745133, R28266, BF154819, BE830607, T98452, BE830652, AI911016, AA853699, R36137, AA091232, AA279985, BE716573, BE705828, AA648573, BE830611, BE879222, AA248958, BF757012, and AB002370.
HFCAQ17	829	695720	1 - 1431	15 - 1445	AI128439, BE872547, AA995398, AA339117, AI417421, AI885636, AA380675, AW118963, BE741214, W30875, BF239085, BF245537, BF690627, AL036709, AV690042, AV739199, AA492039, BE738960, BF979109, BF979106, AV760832, AV740258, AV744653, AV745068, BE702697, AV743802, BF244617, BF184040, AA225065, BF571537, BE739741, BF692631, AA629629, BF664781, BF246026, AV713254, BF218506, AA255573, BF675236, AA480432, AW272279, BF360678, AV739269, AV739302, BF673521, AW937790,

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HFCBC16	830	559312	1 - 989	15 - 1003	BE676992, BE676986, AA339435, AI491867, N48565, AL049569, AL159977, AC006084, AC004820, AC002365, AP001759, AC007956, AC006962, AL163285, AP001732, AC008536, AP001715, AL022238, AP001039, AL442167, AL133511, AC005249, AL049569, and AL049569.
HFCBL53	831	845800	1 - 1887	15 - 1901	AL534652, AL534651, BF508764, AV726072, BE892465, AV726218, AL134197, BF977605, AW952805, R53269, AW088233, D55831, BE351035, T06956, N29044, AW207881, D55944, R59051, H97961, AW088206, N20667, BF510352, Z43266, T15737, D52262, D53558, AA987933, T03823, D55863, BG056872, Z39335, AA460466, AI003191, T35779, D61180, R35376, F06226, D54955, AA772841, AA339551, T15845, T32237, R52614, Z38574, D55851, T32182, R49183, T32184, R40315, D63330, T15879, R49678, R58993, T24788, Z42034, AA829782, T32138, T03340, D55817, F02507, AA228147, D52638, AA885400, BE797921, AC002119, S82819, S73375, AC002119, and AC002119.
HFCBL53	832	852457	1 - 1887	15 - 1901	AL534652, AL534651, BF508764, AV726072, BE892465, AV726218, AL134197, BF977605, AW952805, R53269, AW088233, D55831, BE351035, T06956, N29044, AW207881, D55944, R59051, H97961, AW088206, N20667, BF510352, Z43266, T15737, D52262, D53558, AA987933, T03823, D55863, BG056872, Z39335, AA460466, AI003191, T35779, D61180, R35376, F06226, D54955, AA772841, AA339551, T15845, T32237,

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HFCBL53	833	858733	1 - 1887	15 - 1901	AL534652, AL534651, BF508764, AV726072, BE892465, AV726218, AL134197, BF977605, AW952805, R53269, AW088233, D55831, BE351035, T06956, N29044, AW207881, D55944, R59051, H97961, AW088206, N20667, BF510352, Z43266, T15737, D52262, D53558, AA987933, T03823, D55863, BG056872, Z39335, AA460466, AI003191, T35779, D61180, R35376, F06226, D54955, AA772841, AA339551, T15845, T32237, R52614, Z38574, D55851, T32182, R49183, T32184, R40315, D63330, T15879, R49678, R58993, T24788, Z42034, AA829782, T32138, T03340, D55817, F02507, AA228147, D52638, AA885400, BE797921, AC002119, S82819, and S73375.
HFCBT29	834	654842	1 - 1163	15 - 1177	AV750730, AU127443, AA385917, AW504749, AV760019, BF925233, BE540551, BG119102, AV658631, AK022818, AP001711, AC002470, AL024508, AC005282, AL136137, Z98742, AL353653, AC004686, Z95331, AC006511, AC007537, AC007308, AC005911, AC004531, AC008569, AL049589, AL022319, AF168787, AC008009, AC008474, AC006011, AJ009611, AL158198, AL031848, AL391839, Z68881, Z84487, AC009501, Z98950, AL078596, AL022312, AC011811, AC007383, AL034379, AC007263, AC006130, AC005261, AL139286, AC010273, AC010273, AC023629, and AC023629.
HFCCZ31	835	732437	1 - 1717	15 - 1731	AV729024, AV718131, AL134407, AI632734, AU138964, AA205995, N94992, AA373609, BF334405, AV727305, AU142095, AW957484, BF304994, AU159473, AA360612, W19461, AU147216, AA347395, BF509546, BF309999, AA223249, AU121394, AA227837, AA977332, AW959002, AA195551, AV651028, T17269, AA095452, T24873, AA916022, T32050, T71535, AA009855, W03326, AA322567, AA316907, BE045233, AA507169, AA714592, AW865946, N26276, AA053531, AA634946, N98320, X95677, AC005102, AC011456, AC007097, AL354872, AL049840, AC021016, AC009314, AC008736, AC004525, D87009, AC000024, AP001730, D87011, AC006449, AC002303, AF196969, AL022336, AC008928, AC073316, AC007722, AL009031, AL136980, AC002326, AC005940, Z85996, D78577, U92023, AC007308, AP000115, AC005041, AC005036, AL022238, AP002898, AL096870,

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HFCDN13	836	722221	1 - 1084	15 - 1098	AL514307, AL520687, AL516745, BE796353, AI064900, BE962093, AL044180, BG167201, AI673281, AA166846, AI936893, BF526104, BE390702, AA573117, BF968524, AA779673, AA404642, H97466, AI597869, AW157097, AA476914, AA583047, AL528644, BE744287, AI201238, AA261975, BE220861, BE814335, AA558436, AA679257, BE857974, AA679215, AL514308, BE868293, AL515384, AA845480, BE208048, BF110989, AI890886, AL530793, AI362061, AI378378, BG056351, AI190426, AI022738, AA418017, AW166886, AW205598, AA744509, AW291040, AI351845, AI660122, AI686223, AI200900, AA456062, AI590082, BF347773, H71359, BF528966, AI831459, AI915543, BE779799, AA916388, BE382761, AA865035, BE939222, N50993, AL520688, AL521080, BE220528, AI860359, BG056517, AW131802, AI190653, AI275591, AI344506, AW474472, AW514264, AA455565, AA778028, AI800505, AA507457, AI680195, AW073575, AI697212, AI281733, AI358109, BF338177, AA310163, AA569034, AI439397, AI223105, AI192504, H89931, AW474518, AI702754, AI306530, AL515383, AA780340, AA962569, N33970, AI640722, AI648658, AI027843, AA129371, H97399, AI149848, AI076446, AI307230, AA468595, AI034167, BF738694, AA702377, AA574154, AI521411, AI318623, AI318236, AW339142, AW002641, H91976, AA838539, AI201050, AA595616, AA121948, AA903661, AI751460, H97731, AA985583, AI187339, AI190982, AI272743, AI570034, AI241220, AI201051, AA630706, AA733158, BF530447, AI285804, AW075566, AA564947, AA824395, AA988310, BE336824, AI660327, H05594, AW005478, BE746413, H43255, AA770186, AI565899, AA954010, AI538322, AA834347, AI168654, AW027018, AW027007, H47354, AI538649, T78080, AA404403, BE744392, R10926, AA256307, N78844, AW058186, BE872300, T32251, AI434233, AI587232, H23226, AW075474, R49971, AA557416, BE797285, AA552823, AA639615, AW003702, R49402, AW071246, BE740753, Z41651, AA328237, AA330689, BF737283, BE744886, BF888375, BE747282, AI569327, F03400, BE781512, T77577, AI247621, AI696958, AA159291, BE275946, F04354, H26829, BE407239, F04350, BE744654, R85879, BE797528, AA418086, BE514572, AA876688, AA743506, AA661638, AA642063, BE782888, BF530048, AI540646,

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HFCDT67	837	598900	1 - 1108	15 - 1122	AI678110, BE542313, W92989, W63737, BE796166, AA700747, AI310223, AL048985, AI568014, AW029301, AI138485, AW957576, W92024, AA848007, AW206001, AA702694, AA524561, AI131258, T33467, N94203, AA953837, N65945, AI626115, AW193318, AI698317, AA884514, AI537373, AI186094, AA592957, AI266445, AI445962, AI932647, H57345, H71383, H71332, R53075, AW579222, AI673531, AW515197, AA219435, BF570399, BF813255, W92086, Z39671, F04566, AA484961, F03319, H16399, W90388, F03786, AI926750, F03560, N73771, AW248730, BF895002, AI540389, R09828, AA350622, AA627470, T11567, BF948109, AW957573, T11568, AI275154, BF839406, AV757372, AW167229, AV682737, AI631796, AW051059, BF811793, BF337541, AL036705, BF750879, AL514025, AW161579, AI918955, AI963193, BF724894, AI872154, AI267454, AL048323, AL048340, BE886728, AA928539, BF792440, BG036614, AI801535, AA641818, AI634224, AV681633, AW167385, AI267162, AI627714, AI890907, AI435999, AW583714, AI367539, AW183286, BG166654, AA824496, AI889311, AW029186, AA417129, BF971340, BG029053, AW083826, AI254226, BG113662, AI345745, AI002285, BF924897, AI559872, AL119863, AW162194, AA888196, AW075936, AA805708, AL514791, AW059828, AV703695, BF343099, AI349279, BF970652, BF672397, AW149876, AW131402, BF133371, AI537677, BF970065, BE965491, BG107995, AI799313, BF766528, BG105895, AI474146, AI783978, BG111846, AL514557, BF830213, AI432644, AL514093, AW022636, AI538764, AW827203, AV707510, BF793017, AI559752, BE908986, AW020419, AI702527, AW198090, BE889905, AW239367, BE018711, BF816042, BE904902, AI811192, AL513693, AI289400, AL037454, AI868204, AW020397, AI699865, AL037558, BG122969, BF726231, AA587120, BF341663, AV742848, AV755484, AI334884, BG109140, AW002807, BG179872, BE965599, AL079741, AW104141, AI340552,

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HFCEC45	839	847384	1 - 1213	15 - 1227	AA129059, BF326358, AA356209, BE244043, AI541474, AI887241, T47172, AU147922, BF853772, BF037856, AW440305, BG031832, BE550160, AW103466, R42580, AL038586, AI925653, AA425438, AI907543, AI537310, AI185843, AA595522, AA761876, AA769559, AL049610, AC004106, AL133163, AC015842, AL157791, AL132639, AF176815, AC011464, AC006029, AL022326, AC002350, AB020867, AL160231, U95740, AP001729, AC005257, AC007917, AC007948, AP000510, AC007557, AC027319, AC002430, AC012467, AB023048, AC007384, AP000300, AC006315, AC005049, AC011311, AP001681, AP001700, AC008395, AC008482, AC004812, AC004819, Z92542, AP000113, AP000045, AC004921, AL138752, AC012309, AC015651, AL121585, AC008555, AL499628, AL034405, AC007919, AL133377, AC023105, AF190631, AL161420, AC006138, AL121929, AC005620, AP001421, AC006486,

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HFCET43	840	596813	1 - 1499	15 - 1513	BF308339, BF196845, BE645281, AI697946, AI701508, BF938975, AU123792, BE501025, BE327208, AA001054, AI630828, BE464355, BF110360, BE550841, BE327169, AA029754, AI694730, AA653284, AI373944, BE466972, BF062360, BE218446, AI807587, AA505335, AA029283, AI368824, AI338252, AW137842, AW772144, AA047380, AI961142, AW002608, N68126, AI612789, AA325134, BE674640, AA908203, AW613918, BF881940, AW888415, AI086156, AI199334, AW977250, AI859691, BF725456, AA827637, AI091220, R37166, AI580495, AA996221, R87728, AW771983, AA832401, R87790, AA731368, AA057038, BE294367, Z40515, BE937115, H30213, AA027146, AA313671, AA026587, AW977262, F01356, AA836355, Z44668, F01668, T20271, AI382510, F05103, AI567159, BF749413, AW518504, H55386, AI453262, BF448986, H25697, AL008630, AJ007583, AB011181, AJ006278, AL008630, and AL008630.
HFEAG55	841	838142	1 - 636	15 - 650	AW085552, AV721960, AI800802, AW964755, BF195133, AI149199, AI299757, AI951761, BF514106, BG255499, AI361910, AI858581, AI815225, AI279364, AI024659, AI379019, AI300980, AI494214, AW117663, AI421309, AW075432, AI362042, AI565510, AI431499, BG057105, N36589, AW964780, AI016747, AI364355, AI863790, AA193676, AI149643, R10154, AI765490, AI370265, AI864392, AI802120, BF961480, BF961798, AI351937, BE671413, AA426509, AA339807, AI051057, AI915018, N55650, AI758951, AI695894, AA252523, BE467963, AW192018, AA890717, BF802132, AA742330, BF002992, AW292018, BE077135, BE077141, BF773463, BF742654, AA424510, AW449275, AW444435, AA086016, AW863367, AA432239, AA845724, BF742650, AW768327, AW937843, AA427655, AA190566, AA428622, AA427558, AL050283, AY008763, AF175325, AY008764, M22873, and AF194031.
HFEAU63	842	790190	1 - 3638	15 - 3652	Y10260, AJ000097, AJ000098, U61110, Y10263, and AC016465.
HFEBA88	843	684297	1 - 800	15 - 814	BG036668, BF515570, BE390837, AA627726, AI912943, AI342401, AV700962, AW172798, AW173638, AI129792, AI582248, AA865610, N26214, AI138670, AA631127, AI478590, AI796654, W60801, AA004342, AA746153, AW173683, AI093228, AW662480, AI694264, AI096813, AI924698, AI126516,

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HFEBK75	844	855938	1 - 1045	15 - 1059	<p>W73675, R60360, R48888, AW239140, AW075393, AI869422, AI419520, AI221367, AW072685, AI673098, AA523521, AI203864, AI144367, R60303, BF732857, AI056233,</p>

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HFEB015	845	831772	1 - 954	15 - 968	BF689130, BG056459, AA533284, AV649556, AW665444, BF196508, AV649461, AW137985, AI143284, AV649480, AI193850, AI589661, AA516416, AV649385, AA308076, BF108697, AW630774, AW058552, AI916964, AI660733, BE313844, BF446289, R74430, BG179421, AI696702, R62894, AW627546, AA534096, W19329, R23105, AW951932, R74337, AI700044, R69153, AI147513, R69267, T23490, R62839, AI825100, AA952929, AA847446, AW452770, BF724807, BF357111, W25541, AA493147, AA746338, Z93244, AF177331, AK000192, Z93244, Z93244, and Z93244.
HFEB017	846	852218	1 - 976	15 - 990	AW473576, AI089774, AW451782, AW295271, AA749033, BE440149, AI949946, AI469900, N68539, AW172942, AI872021, AW243195, BE858872, AI337875, AI376876, BE327191, BF939700, AI363093, AI471556, AI767259, BF114982, AI683261, AW028130, AW976177, BE349166, AA974484, AW027661, AI683115, AW614790, AI421188, AI281604, AW239182, AI750006, AW235809, AI493809, AA455090, BF878349, W37813, AV650898, F09284, AW193169, AA703436, AV649714, AA526238, Z41088, AI700797, AW268135, T92246, AV662283, AI916032, T17498, F02060, AV650183, BF768675, F04236, AA935093, BE884109, AV649952, AA937505, AV649940, W37230, AA585284, AV649786, AV651140, AW976261, AW365708, AL137741, AK000272, AL162084, and AL157494.
HFFAE46	847	654843	1 - 954	15 - 968	AI525843, AU134358, AU143703, AU122314, AU142748, AU143634, AU122552, AU142526, AU118404, AU122678, AU143182, AV702937, AV721444, AU118696, AU135213, AU116922, AU122597, AV752243, AU133839, AU118907, AV704320, AL535790, AU134965, AU118792, BE874845, AV707121, BE891344, AV747715, AU117347, AU134096, AV721253, BE710600, BE710598, BE710612, BE710613, BE710592, BE710611, BF317298, AW063696, AU135988, BE892801, BE185796, AW067697, BE184361, BE185859, AU133568, AU133846, AW067704, AV750805, BE185546, BE714831, BE764066, BE182181,

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HFFAH01	848	843438	1 - 804	15 - 818	BE838902, BF313933, BE818631, BE261870, BF311058, BE259719, BF868463, BF314495, BG104932, BE780837, AL133622, AB020683, AK026040, AC022517, AC022517, AC022517, and AC022517.
HFFAL70	849	827570	1 - 1120	15 - 1134	BE270987, BG031920, AW861194, BE270805, BF334560, AI271358, BE696235, BE621115, AA481611, BE561424, AI498877, AI198288, AA465262, AI057236, AI247702, BE891267, BE513784, AI674176, BF342277, AA311602, BF058118, BF058975, BE857956, D80440, BE675122, AA832211, BE794500, AA287186, BE746961, AA481593, AA995035, BF746448, AI598177, N45729, AA633994, N49006, BE965771, AA471046, BE269536, BE257093, AA722748, BF083980, AI928488, R76498, AA682370, R10899, AI123580, AI660679, BF757641, N52008, AI871177, BF757640, AI699981, BG116718,

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HFFAV61	850	664486	1 - 1629	15 - 1643	<p>AL535148, AL521480, BF849820, AL040801, BG037188, AI565306, AA627437, AW818710, BF836653, BF986676, AF218451, AJ242987, AB040024, AC009078, and AC009078.</p>
HFGAB50	851	831761	1 - 2284	15 - 2298	<p>AW960781, AV701528, AV704939, AI718385, AA194161, AW515737, AI092965, W95021, AI913641, BE858364, AI091443, AI887635, AW264288, AI803949, BE220033, BF208430, AI890134, AV707843, AA194162, AI912245, AI633634, AI797044, AI990153, AI923507, AW444611, AW194564, AW263237, AW750508, BE163535, AW603257, BE466735, BF676789, AI263123, BE466456, AI653647, AI000673, AW603255, AI421721, AW297148, AW022613, AA854289, AW577928, AA526976,</p>

					<p>AW517233, BE674591, AI149560, AI147850, W39102, AA740840, AW089339, N34285, AA704222, AW450557, BE855846, BF222072, BF112283, W15263, AW952079, BE764947, AI280011, AI338895, AW510329, BF512346, BF997036, W86819, W93337, AI921584, AI560914, AW770529, AW891820, AW068994, AI478399, AW888623, AW362867, AI559480, BF735307, AW991322, AI912902, AW891648, AI224591, AI909895, BE710915, AW891581, AI250803, AI381627, AI538594, AW891584, R80137, AA090197, AA621399, AW008731, AW514686, AI801733, AW362898, AA767496, AW263490, AL121139, AA353857, BF735229, AA370338, R80138, H64522, AA337315, R22118, R22061, AI015451, AA311814, AI383591, AW591669, AI720595, AA514022, N44177, BE093259, R23782, AA587450, AI365187, AI249079, W86924, R23732, BF735794, BF735391, BE766448, BE173064, BE765502, BE710926, AW750515, AW750516, BF381104, AA746753, N99177, AW891652, BE093251, H64521, AI909902, BE172497, AW750520, AW750519, AA737206, AW891822, BF366304, AW891588, AW891755, AI708548, BF745847, AW891829, AW889574, BF743918, BF758467, BE766380, BE766381, BF366551, BF743921, D25828, AI909900, AK025078, AC011406, AC011406, and AC011406.</p>
HFGAE28	852	815658	1 - 1938	15 - 1952	<p>AV725435, AV725504, AV727393, AI907846, BF218040, AW956982, BE542598, BF977694, BF572088, BE468132, AA708740, AV728832, AW169353, BF326712, BF132210, AU151591, H98720, AA042992, AA946917, AW470321, AW168776, N27158, N40098, AA977047, N24288, BF087866, H84453, AA931683, AI922080, AW028573, AA962286, AI002410, AA975966, N32948, AI217571, AU120802, AW002803, H49993, AA042824, BE813424, AA902321, AI587226, H50037, R23147, BE964392, D81437, H84454, AI918223, R23148, D80972, BE827896, AW197023, D80971, AA368643, AI361667, AI093406, AU132377, AI335612, BF197651, AI433982, AI361488, BF696191, AA451836, AI633419, AW198090, BG179993, AI627893, AI439478, BG164371, AV735353, AI824746, AI097410, BF724691, AL119049, AW104724, BG179633, AA640779, AI282326, AI572787, BG257535, AI499263, BG058208, AW243820, AI758437, AW074993, BG252040, AW089572, AI312152, AI345735, AI280747, AI307708, AI567351, AI888953, AI270707, AI281837, AI632033, AI282281, AW075351, AI925156, AI869367, AW148320, AI784252, AI349614,</p>

				AI950664, AW075413, AI637584, AI500077, AW301505, AI439717, BE887488, AI312428, BF817926, AW075084, AI343112, AI349937, AL036980, AW268253, AI862144, AI567612, AI349598, BG036846, BE886728, BF726198, AW302965, AI340627, BF872670, AI885974, AI538085, AI453322, AI289937, AL040243, AI500659, BF924882, AI612885, AI567360, AI445237, BF970990, AA508692, BF968205, BE047852, BG110684, AI281779, BE781369, AA225339, BF868928, AI273142, AW946806, AW149851, AI648509, BF343172, AL135661, AA287231, AI521012, AI312399, AI334884, AI802542, AI815855, AI269696, AI340644, AW170635, BE964812, AV746964, AW071417, AA427700, BF038131, AL036146, AW827214, BF526020, BG180034, AW827289, AI340582, BF812933, AI560099, AI340519, AI282655, BE047952, AW151138, AW999049, BG249582, BF527014, AI800453, BG250190, AI800433, AI608936, AW087445, AI912866, AL036945, AI349645, AI340603, AI857296, AW074869, AI348897, AI571909, AV738991, BG058398, AI349256, AW302988, AW169653, BF792469, AI824764, BF341801, AI536638, BG260037, BG027280, BE963035, AL513713, BE895585, AW301409, AI570861, BG032208, AI873604, AI254042, AI632408, AI318280, AI432969, BF968085, AW090013, BF885675, BF812960, BE172767, AL513991, AI269205, AW071349, BF107577, AW068845, BG165051, AL514935, AI254731, BE965432, BF342070, AI497733, BG178911, AI309401, BG256090, BE905335, AW238764, AI611738, AI872545, AW079368, AI281773, AU132354, BG222103, AI934011, AI307543, AI345251, AI619502, AI349957, AI345224, BG032704, BF341210, AK001495, AB037840, AL117460, AL137550, X82434, AK026534, AK025092, I89947, I48979, X63574, I48978, AL353940, AF314091, AK027204, AF116631, AL133557, AL133080, AF113690, AL096744, AF090900, AL049382, AK026045, A08913, AL117457, AF113019, AF119899, A65341, A08916, AF119909, AF177401, AF106862, U42766, AL389982, AK027113, AK026744, AF183393, AB047904, E02349, I89931, AF090903, AF116644, AL359618, AL137557, AX019230, AR087170, AK026959, AF090934, AL389978, AK024538, AJ000937, AL359601, AX006092, AK000652, AL122093, AK026592, AL162006, AL133075, AL133016, AL122050, AB048954, AF130105, AL050138, AF113677, AL110221, AK026855, AL117435, AX019229, AF116688, AF113699, AL133640, AK025339, AK026532, AK027096, AL162083, AF113676, AK025084, Z82022, AK000083, AK026542, AF116646, AF091084, AF017437,
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HFGAN63	853	708053	1 - 1062	15 - 1076	<p>AI377407, AW973933, AU159464, AI591053, AI140794, AA085176, AA568840, AW059669, BE328386, AU142080, BF242387, AA085250, AL533715, AL525916, BE563312, AF036035, U90094, U73167, AF040710, U73167, U73167, U73167, U90094, U90094, and U90094.</p>
HFHDN80	854	899438	1 - 547	15 - 561	<p>AW851282, AI633514, R55630, AI362636, AI128140, BF592993, AW135344, AW962308, AA310802, AW408736, H53022, H70264, H57453, H61958, R96784, AW379281, AA343949, Z98044, AK024548, AL358252, and Z98044.</p>
HFIAB78	855	581054	1 - 1615	15 - 1629	<p>BG105077, BF343300, AA600827, AI693931,</p>

					<p>BF672425, AW082226, AV750393, AV748159, BF699346, BF571932, AI735278, N23012, AW051434, AI857899, C05802, BF245566, AV720131, AW275123, AA481591, AW511036, AA831569, AA279508, AI347306, W38388, AA279507, AI279308, BF241803, AI819648, AA885238, AA030007, AA806447, D82534, BE620974, AW953052, AA036819, AA167619, AI188314, AI245489, BF218977, W96532, AW269885, BG116511, AI352677, AA036773, AI907765, AW877793, AA917442, AA768000, AA704386, AW262944, N99678, AI803231, AA707841, H77293, BF949866, BE811751, AI127521, T32672, AI074850, BF949562, W01310, BF677119, AW020042, AI270213, AA843110, AV723099, BF381614, AW802610, N74142, BF997049, N67579, AA364175, W04310, H08739, AA588347, D58098, AA860535, AI025668, H60921, H38239, N76294, AA015960, D20147, AA877438, AW169215, R31075, AV735203, AI868263, AA040633, AA317052, AA481526, AI077379, AA345228, BF087990, AI198665, T32404, Z30196, AA973156, AA346370, R25761, AA886915, AA853688, BE172364, BF239797, D61717, BE000359, AI888951, AA814461, W26698, AI826300, R31555, AA330181, BE001513, BE882253, AA327646, T51964, Z38808, AI986378, N71944, AW748065, AW573005, BF919498, W39087, H60835, R38175, AI669733, AW175936, N54963, AW021734, AW364607, N79918, AI581778, AA279699, R32068, BF665867, AW971129, R32017, T36198, T18538, AA527736, H68988, AW364606, AW467640, AW175935, N71789, AA652302, BF894345, BE707301, AA939173, BF184373, AW194484, T52044, BE621786, AW748064, W37174, AA381414, AA247870, AA279782, D62543, BE181236, T77106, Z42646, R92606, R39771, BE241945, AA337942, T18548, BF432189, AA058683, BF029098, AK000153, AF157323, AF142481, AF176700, AF052097, AF174591, AF199420, AB048883, and AL163210.</p>
HFIAD23	856	581055	1 - 1004	15 - 1018	<p>BG107770, AV715978, BE646440, AW088260, AI378417, AW135410, AI056595, AI718083, BG006885, AA283099, AW963172, N51102, AW029474, AA215525, AA283012, AA405007, AA354669, AW440519, BE703054, AA658346, AA361159, AI523272, BE703053, AA432363, AV738434, AI749312, BF810880, BG254863, AA431366, BE703033, BE703056, AA215383, H56045, AW193227, BF246243, AI927339, BF217902, AA361614, AA490423, H56121, AW897467, H44885, AA872988, AA585483, AW384173, AL021391, AC006025, AL161665, and AC068528.</p>

HFIK06	857	608176	1 - 878	15 - 892	N70441, H82414, AC012280, AC012280, AC027080, and AC027080.
HFICH70	858	608200	1 - 637	15 - 651	AI755153, AW301628, AI859031, AA595752, AI620158, AI810711, AI566356, AI813782, BF347007, AI004666, and AV653223.
HFIHQ57	859	564793	1 - 1256	15 - 1270	AI797677, BE672951, AI961683, AI809044, AI670057, AA280314, AL134524, AI142134, AL038983, AL037727, AL039643, AW970070, AW968190, AW970540, AL038838, AW969624, AL049018, AW969911, AW969625, AW970105, AL040617, AL044186, AL041238, AL047012, AL044037, AL039432, AL047170, AL040463, AL045684, AL040625, AW970020, AL047219, AW970069, AW970101, AL044162, AL040193, AL043467, AL040510, AW970107, AL040621, AL043538, AL047064, AL043496, AL040464, AW969631, AL038822, AL040149, AW969621, AL041133, AW969778, AL045817, AL041324, AL040322, AW968204, AL041098, AL040119, AW970118, AL038532, AL041096, AW970093, AW968212, AL047057, AL041163, AL040075, AL041159, AL038761, AW970079, AL041292, AL041358, AL037323, AL041296, AW968207, AL043677, AL041752, AL041142, AL040576, AL041346, AW968150, AL041086, AL040839, AL040529, AL046442, AL046330, AL041635, AL041197, AL043923, AL043814, AL043492, AL041602, AL045753, AL040294, AL043845, AL041233, AW970032, AL044125, AL047036, AW969632, AL044074, AL044064, AL041459, AL040553, AL041577, AW970119, AL037436, AL041730, AL040052, AL041523, AL043627, AL040472, AL041374, AW969664, AL046850, AL040768, AL041347, AW969626, AL037295, AL043848, AL041955, AL042135, AL043570, AW970076, AW969653, AL046994, AL040155, AL046914, AL041131, AL040444, AL041277, AW969634, AW969642, AW968196, AW970531, AW968148, AL039316, AL046392, AL040332, AL044272, AL045920, AW969848, AL045671, AW969691, AL041246, AL041168, AW969916, AW970082, AL044258, AL040148, AL045990, AL040128, AL040458, AL044187, AW969936, AW974805, AL040745, AW969961, AW969934, AL040370, AL044199, AL041051, AW969648, AL042898, AL040342, AW970050, AW970116, AL045989, AL039360, AL039744, AL037435, AW970108, AL045328, AW968340, AW970053, AL044274, AL040285, AL040571, AW969926, AW970074, AL079878, AL040091, AL079852, AL043941,

				AW970084, AL041186, AL041227, AW970095, AW970013, AW969958, AW970025, AW969651, AL046327, AL044165, AW970535, AW970096, AW970023, AL037341, AW968347, AL042096, AW969677, AL040168, AL040414, AW970122, AW969676, AW970014, AW970036, AW970115, AL041140, AL040090, AL039338, AW970003, AW968126, AW969698, AW968338, AL043775, AL044201, AW968147, AW968191, AV764028, AL040253, AL040238, AV726590, AW970092, AW969932, AW974660, AL045725, AW968200, AL045857, AL043444, AL040082, AW968167, AW969864, AW976040, AL040329, AW969697, AL041210, AW969907, AW970054, AV729746, AV759219, AW969988, AL041278, AV760852, AW968181, AL043612, AL039915, AL040255, AL040263, AW969888, AV697880, AV762836, AV761360, AR096545, AR064707, AJ276256, AJ276254, AR066494, AJ244003, AJ244004, AJ276255, A85395, AJ244007, A85476, A98767, AX006816, A93963, A93964, AX026824, AX026823, AX003207, I15717, I15718, AR038762, Y16359, I08396, U94592, AR062871, AR073846, AX001322, AX028305, A20702, A43189, I62368, A43188, I08395, A20700, A86792, A98420, A98423, A98432, A98436, A98417, A98427, I05558, A84772, AX021518, AJ238010, AX006825, AX006826, AX006822, A84776, A84773, A84775, A84774, AX006821, AR067731, AR037157, AR054109, M28262, AR067732, AJ244005, E03627, A58522, A91750, I48927, X83865, I06859, AX042372, E13740, I63120, AX020190, I84553, A02712, AR062872, I84554, AR031566, AR017907, AR062873, A77094, A77095, A35536, A35537, A81878, I00682, AX033488, AR080470, A60212, AX033489, AR079804, A60209, A60210, AR077142, AR091393, A60211, AX009487, AX011024, A02135, A02136, A04663, A04664, A25909, AX033490, AX008555, A95051, AX033474, A18053, AX033486, AR095492, AX009712, I08389, AJ270780, A18050, AX012337, AR088705, A58524, A23334, A75888, I70384, I44681, A90655, A11623, A11624, E00609, AX033487, AF149828, A60111, AR038855, AR069650, A23633, A93016, AR007512, AJ276253, A64973, AX027636, A58523, A11178, E01007, A11245, AX035980, D78345, I03331, AR043601, AX032992, I13349, A10361, A92133, AX032993, A02710, E12615, AX018504, AR035193, Y09813, E14304, A07700, Z32836,
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					AX027811, AX027809, A13392, A13393, AR031488, I13521, AX001082, I52048, A27396, AX027813, AX030369, AX032758, AX030368, AR069374, AR085082, AR085089, AR085091, AR027100, I44531, AR093392, I28266, AR069375, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, I49890, AX035462, AX042375, AX027817, AX027818, AX027814, I21869, AX042373, AR072535, AR085079, AR085083, A91965, A95117, I44516, D13316, E16678, A82653, A70040, AR093385, A24783, A24782, E16636, AR095490, I01995, AR095491, AX006823, AB025273, D50010, AR074365, X07299, I25027, AR069426, I26929, I44515, I26928, I26930, I26927, A22738, I60241, I60242, A20699, I08051, E00696, I66485, I18895, E00697, I66487, AX001330, E03813, AX003206, AR009151, AR093384, I66482, AR069417, I66483, I66484, AR051957, AX004550, AX036660, AX036661, I66498, I66497, I66496, AR038066, AR027099, I66486, AX023553, AX003194, AX023548, AF276757, AF276757, AC025871, and AC025871.
HFIK29	860	843587	1 - 3131	15 - 3145	AU138469, AV716909, BG163567, BG163527, BG170625, BF980489, BE178432, AV716735, BF979914, BF240680, BE551691, BF593178, BE786226, AW589990, AI949699, AW439812, AI761215, AA442413, AW368119, BE349291, AI720751, AI738429, AI014558, AI718401, AA456668, AI936511, AW504466, AI138449, AI417764, AW294185, AA928184, AW291707, AU159395, AA011654, AI093245, AI926631, N42901, AI275013, BE833065, BE002856, AI160614, AI695423, AA514412, AA417303, BF000002, AA417266, AI748789, AI142755, AI384126, AI393546, BG029244, AA834342, BE006060, N29576, AI393619, AI264349, AV723459, H87850, AA580190, AI566101, Z42935, AW196706, Z19172, BF222768, AA721082, BE833062, AI267574, BF196129, AA035237, H68601, AA353662, R58033, Z28430, AW382262, AA033669, AA032214, BE004679, Z38653, BF082634, AW389677, AW080228, AA825290, BE973640, BF372358, Z39053, AA876544, AW193765, BF855655, AI686337, AI701478, AW169930, AI498485, BF197483, AW860322, AW613923, AW893299, AI696115, AW235719, AI147683, AI750308, AI095532, AW001022, AW504505, AI089385, AI201784, AI992106, AI598152, AW006251, AI143143, AW073808, AI979301, AA011669, AB040891, AK023949, AK026476, and AK025264.
HFIK29	861	852308	1 - 3131	15 - 3145	AU138469, AV716909, BG163567, BG163527, BG170625, BF980489, BE178432,

					AV716735, BF979914, BF240680, BE551691, BF593178, BE786226, AW589990, AI949699, AW439812, AI761215, AA442413, AW368119, BE349291, AI720751, AI738429, AI014558, AI718401, AA456668, AI936511, AW504466, AI138449, AI417764, AW294185, AA928184, AW291707, AU159395, AA011654, AI093245, AI926631, N42901, AI275013, BE833065, BE002856, AI160614, AI695423, AA514412, AA417303, BF000002, AA417266, AI748789, AI142755, AI384126, AI393546, BG029244, AA834342, BE006060, N29576, AI393619, AI264349, AV723459, H87850, AA580190, AI566101, Z42935, AW196706, Z19172, BF222768, AA721082, BE833062, AI267574, BF196129, AA035237, H68601, AA353662, R58033, Z28430, AW382262, AA033669, AA032214, BE004679, Z38653, BF082634, AW389677, AW080228, AA825290, BE973640, BF372358, Z39053, AA876544, AW193765, BF855655, AI686337, AI701478, AW169930, AI498485, BF197483, AW860322, AW613923, AW893299, AI696115, AW235719, AI147683, AI750308, AI095532, AW001022, AW504505, AI089385, AI201784, AI992106, AI598152, AW006251, AI143143, AW073808, AI979301, AA011669, AB040891, AK023949, AK026476, and AK025264.
HFIK29	862	873681	1 - 3181	15 - 3195	AU138469, AV716909, BG163567, BG163527, BG170625, BF980489, BE178432, AV716735, BF979914, BF240680, BE551691, BF593178, BE786226, AW589990, AI949699, AW439812, AI761215, AA442413, AW368119, BE349291, AI720751, AI738429, AI014558, AI718401, AA456668, AI936511, AW504466, AI138449, AI417764, AW294185, AA928184, AW291707, AU159395, AA011654, AI093245, AI926631, N42901, AI275013, BE833065, BE002856, AI160614, AI695423, AA514412, AA417303, BF000002, AA417266, AI748789, AI142755, AI384126, AI393546, BG029244, AA834342, BE006060, N29576, AI393619, AI264349, AV723459, H87850, AA580190, AI267574, AI566101, Z42935, AW196706, Z19172, BF222768, AA721082, BE833062, BF196129, AA035237, H68601, AA353662, R58033, Z28430, AW382262, AA033669, AA032214, BE004679, Z38653, BF082634, AW389677, AW080228, AA825290, BE973640, BF372358, Z39053, AA876544, AI686337, AW193765, BF855655, AI701478, AW169930, AI498485, BF197483, AW860322, AW613923, AI253379, AL515413, AL513907, AI433157, AL514791, AL514025, AI253335, AL515373, BF970652, AI554821, AL513977, AL513999, AL514627, AV714085, AL515235, AI267454, AL515019,

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HFIK29	863	885007	1 - 3181	15 - 3195	AU138469, AV716909, BG163567, BG163527, BG170625, BF980489, BE178432, AV716735, BF979914, BF240680, BE551691, BF593178, BE786226, AW589990, AI949699, AW439812, AI761215, AA442413, AW368119, BE349291, AI720751, AI738429, AI014558, AI718401, AA456668, AI936511, AW504466, AI138449, AI417764, AW294185, AA928184, AW291707, AU159395, AA011654, AI093245, AI926631, N42901, AI275013, BE833065, BE002856, AI160614, AI695423, AA514412, AA417303, BF000002, AA417266, AI748789, AI142755, AI384126, AI393546, BG029244, AA834342, BE006060, N29576, AI393619, AI264349, AV723459, H87850, AA580190, AI267574, AI566101, Z42935, AW196706, Z19172,

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HFIIQ27	864	600357	1 - 1248	15 - 1262	AL523880, AL526567, AL523881, AV714521, BE614460, BF115119, AI652452, BF677913, AW188530, AI670868, AW590674, AW052133, AI817193,

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HFIIQ64	865	532040	1 - 374	15 - 388	AA778543, AI744013, AA578430, AI299171, AA557697, AW089097, AI041019, AW973794, BE465017, and AC023924.
HFIIZ61	866	855939	1 - 394	15 - 408	AW613176, AW136055, AW138104, AI591362, AA779619, AA433926, AI582364, AI952215, R41369, AA860279, N63283, AI744142, AI813323, AI829647, AW627596, AI090820, AA931766, AA847457, AW008770, AI474355, AI953818, AA579572, AA972908, AA953913, BF476250, AW150211, AA527437, R71366, AW952538,

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HFIJD81	867	787129	1 - 3000	15 - 3014	BE891820, BE877361, BF691859, AV703423, BF343351, AW450725, AI954823, BE547668, BF696626, BE856864, BE504922, AI206998, AI539657, AI652766, AI685006, BE816880, AI444584, AI972324, BE349211, AW590568, BF243617, BE816952, AA431232, H17762, AI858288, AA420622, BF447277, AI770142, AW470028, BE501648, BF699913, AI339226, AI659081, AW002287, AW237706, AI066537, BF700168, BF034950, AV748760, AW961141, AI206121, AI458988, AI217941, BE349193, AI683178, AI873277, BF669263, BF241221, AA808766, AI354680, AW025666, BF747978, AI806994, AI042391, AI540790, BE816936, BE866740, BF575284, BF154431, N51372, H25193, AI868806, AA255648, AI217774, AA234712, AW002209, AA931879, AA768211, T75065, R43668, AV748600, AI003592, AA055392, AA694276, AW085015, AA774432, AA325988, H26228, AA601608, AA953397, AW243237, AI866871, H26229, AI675973, BG260865, AI351024, BG258283, F12911, AI910987, AW577556, BE936576, BE928123, R06027, AA055391, AA993120, AI863981, BE926642, H10137, AA508084, N74482, AA995033, AA702461, BE926623, T93544, T93549, F10515, T93526, BF082617, AV747581, AA348639, H24374, BG111260, BE891788, BF082624, AW995533, N90371, H82516, T93521, AA922697, BF817085, BF082599, BF082604, BF082567, AI867428, BF749052, H10081, AA644272, BF082610, R28235, AW118426, T92467, Z28870, H82517, R28499, BF082571, AI219826, AI868928, N68559, BF817485, R27979, BF892745, R28649, BE080776, H25850, AI570728, AI940542, AW577550, BF854436, F13797, AA587496, AA234780, BF335898, AI590227, N80491, AI280637, BG179099, AL513817, AL514457, AI564719, AL514791, AL514473, AL514627, AL119863, AI619502, AI677796, AA449768, AI569583, AL514919, AW151786, AI591420, AI874261, AI569328, AW983703, AI569975, AL513553, AI868204, BF813940, AI520809, AW029611, BF970652, AI670009, AI538716, AI270183, AI538085, AI932794, AW151136, BE966388, AW841772, AW983691, AW841754,

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HFUJF44	868	842713	1 - 1558	15 - 1572	AA190488, BE274830, and AC012531.
HFITA02	869	843763	1 - 1193	15 - 1207	AI086604, AI889202, AA236486, AA831749, BF507358, AA648506, AI274359, AA629133, AW974452, AI417199, AI572365, AW858522, BF084778, AL135012, AL134110, AW577199, AW601637, AL042523, AL134524, AL045327, AL045494, AW577201, BE927373, AL042420, AL042468, AL045328, AW577192, AL047163, U46344, AL042741, AL042655, AL045891, AR066494, A85203, AL133053, AL122101, AC068557, AC068557, AC068557, AC016394, and AC016394.
HFITF80	870	608210	1 - 825	15 - 839	BE614596, BE965998, AL518403, AA827529, AA459973, AI087944, AW511644, AI262749, AA232800, N72127, AW024377, BG163489, BF218761, AV732572, BE546071, AA151716, BF844727, AI860901, AW385738, AW188881, R93439, AW519183, AI245625, AW080566, BF885537, AA932980, AL527175, BE048814, R24470, BF998733, AW385734, AI131189, H17074, BG231761, AI760922, AI936546, AI765706, AL527102, AI762237, AI091262, AA132477, AI803134, AI554831, AI356264, AU122118, AW500854, AA045066, AL161968, AB002439, AB002440, AC009002, Z99943, AC011510, AL109797, AC004965, AL079352, AC005082, AC008044, AL023803, AC026449, AC022111, and AC010337.
HFIUK66	871	600358	1 - 1318	15 - 1332	AV682447, AL527133, AI971552, BE551017, AI676205, AI417129, AI811291, AI222275, AW772020, AI523493, AW473766, AI333097, AI147892, BF970461, AA429101, BF672193, AI819777, BF432030, AI765904, AA608984, BE047803, BF030905, AA278337, H01879, N58813, AA988624, BF695160, AI806770, AA928907, AI571486, AA428902, H43546, N75148, H01880, BF054981,

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					and AL136170.
HFIUT21	872	794323	1 - 1964	15 - 1978	AL531133, AW973916, BE745294, AI743105, BE969681, BF337115, AA884995, AI220455, AW079363, AW103799, N51105, AW029446, AI192445, AI206916, AA843082, BF197415, AA568700, N51837, AA214462, R46406, BE774918, BF477150, AA216595, AW132064, AV740409, AL522784, R31524, AU136143, R31034, N54230, H29168, BG030572, BF796483, AI302987, BF343017, N54104, AW948405, AL520020, AF161541, AK001882, AK001721, AC068777, AC068777, and AC068777.
HFIVB04	873	847075	1 - 612	15 - 626	AW118826, AV717127, AV701177, AA151563, AW953621, AI867993, AI831098, AW512279, AW072445, BF109880, AA149653, BF439394, AI803482, AW150792, AI377076, W79392, AI804017, AA937448, AI707481, BF679675, AA482606, AA157343, AA862490, AI753503, AA961039, AA357829, AI336627, AI332879, BG057764, F08889, AA834366, AA872967, AI565390, AA195364, R44897, T15482, H07932, T59940, AW079827, AW021169, BE815309, AA357830, BE185803, AI686852, BE926101, AW243705, BE007707, BE007712, H46250, BE926099, BF691373, BE932531, BE926093, BF327866, BF868489, N87369, AW089275, AI591387, AW188498, AI912434, AI950729, AI174394, AW834302, BF856052, AI640729, AL079799, AL046466, AI635287, AW088560, AI473536, BF793187, AI286256, AI538259, AA190341, AW151786, AI580984, AI540674, AW079409, AI500714, AI281757, BG113851, AI589428, AI537643, BF766529, AI872423, AI439452, AW195253, AI950892, BE896769, AI696714, AW198090, AA481033, AI635067, AI702068, BE875028, AI560545, AI687127, AI768496, AW193125, AI610446, AL513743, AL513991, AW238688, AI590043, BF811804, AI287233, AI633125, BF812936, AI698391, AI250646, AI538564, BE887982, AI915291, AW152182, AI536563, AI581033, AI889189, BG260647, AI225000, BG108239, AA853033, AI866469, AA001397, AI884318, AW162194, AI923989, AL037602, AI500514, AI254727, AI521560, AW051088, AI783997, AI921155, AI553645, AI559586, AL037582, AI582932, AI637584, AI252643, AW080992, AI799183, AI611738, AV723204, AI587121, AI963346, AV723062, BF812963, AW191844, AV728997, W74529, AV723772, AI918449, AW078712, AI591420, AW188840, BE011880, AI624938, BF892007, AW103928, AI690687, AI659043, AV722478, AV724569, AV723575, BE886858, AI471282, AI669612, AI569637, AA740450, AL039086, AL515191, AI890907, AI866090, AI524654, BF970652, AI309306, BF982059, AI670002, AI741158, AV681829, BE966968, BE393784, AI590227,

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HFIXC39	874	683053	1 - 1868	15 - 1882	BF509085, BF508563, AI967991, BE545098, BF507947, AI744531, AI738577, AW960980, AV727875, BF508476, AL528753, N63422, AA233823, AA410373, AI638499, AW590845, AW772416, AI432642, BF060690, AI271351, AI277639, AI033421, N95728, AA860819, C75039, BF059676, AI942428, R15902, BF825131, Z44853, H06078, R15901, AL514980, F03821, C75027, AA406241, H05789, AA233770, AA324820, BF891639, AI369482, R20426, R43312, R56002, T15883, AA936702, R56003, AI093681, R43546, BE885059, BE869916, T66528, AC008810, AC008810, and AC008810.
HFIXC69	875	704080	1 - 806	15 - 820	AV707831, AV707498, AV702098, AL528584, BF526682, AW961350, AW976056, AA452688, AL528583, AA931976, BF307226, W73580, W84825, BF087426, BF088508, BE048133, R83609, R69518, H91923, AA315530, R74244, AI924323, C04901, H92397, AA159260, AI183607, BF305252, AI760044, H28250, R62673, AI735451, R18017, AI129747, AI140660, H84664, N53738, AA486811, AI193753, AI830828, AW014478, R49760, AI818984, T64564, AI935272, BF339985, AW512778, AA714319, AA845346, AA706324, AI222888, AI277786, AI459968, W84778, BG056653, AI830812, AI813423, AI300302, AI277948, AW044333, AI359102, H24652, AW572999, AI743798, AW304003, T79349, AI624622, AI738948, AI370737, AA159182, AI559360, AI863873, AI092797, AI422835, AA487133, AA450054, N26187, W73561, AA911439, AA687821, AA992822, AA780967, R17923, T79779, BG236790,

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HFIXE39	876	844408	1 - 2471	15 - 2485	BF980303, AW291422, BG164721, BF576354, BF791038, BF667154, AL520922, BF577162, AW183085, AA524344, AW029351, AI989875, BE221681, AI564477, AI817885, AA442061, AU157307, AI583026, BE465574, AI161363, AV662318, T03807, BF132580, AW938747, AA019818, AI954473, AA595813, AW874254, AA158712, BF111496, AA018291, AA724417, H86273, BF241963, BG236023, AA995417, C04219, AW291584, AA923788, AA442163, F06863, AI285210, BF126297, AA612911, AW089761, AI648693, Z39949, R43382, R82340, AI888728, N49046, BE161118, AI038239, F06899, AI537206, BF669784, H22213, AI419353, H86638, R82389, AA122109, AI381375, F10884, N78562, AA152348, AA152349, AA384112, F03166, H86274, N62460, C03527, H22162, AI693072, BE544486, R25739, N48320, AW516366, AI657202, H86550, AI864140, R26585, AA282215, R25848, BF790963, N73714, R26669, AI051425, AW363960, R38713, AW393413, AI628704, R38347, AJ298105, U79296, U82328, AF001437, AF052166, AL138810, Y13145, AC002556, AC006480, AL049873, AC007617, AL117356, AL359694, AC000065, AC008733, AL136087, AC009946, AC009194, AC007163, AP000086, Z97355, AP001694, AF067846,

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HFIYP15	877	688044	1 - 1779	15 - 1793	N71063, W94295, N66037, H63245, AI568915, AA773642, N73616, BF367048, W02603, and AA907572.
HFIZE10	878	607733	1 - 991	15 - 1005	BF970423, BG119317, BF344431, AI651073, BF196903, AW969737, AW263049, AI887216, AW301653, AI051501, AW268900, AW051392, AI090046, AI969649, AW571576, AW129634, AA483489, AI042166, AI702486, AA897130, AA737828, AI042310, BF030907, AI038735, AA883793, BE859004, D79146, AI374916, AI857370, AW089319, AI270244, AW170037, AU156922, C01784, AA897149, D62974, F10495, C17659, D79877, H05311, H06203, D62459, R43576, D57364, BE835851, BF185946, AL021068, AF272386, U79751, AL021068, AL021068, AC068046, AC068046, and AC068046.
HFIZF51	879	532598	1 - 370	15 - 384	BE047852, BG168696, AL513977, BF526262, AL514473, AL513907, BG166654, AL513943, AV757018, AL513999, AI800453, BG031815, BG260037, AL513553, BE964741, AL514627, AI340582, AW827249, AL514919, BF342070, AV682011, AI433157, AV722452, BE964006, AW301409, AL121286, AL514015, BG180996, BG257535, AL038778, AL513631, AI800433, AI868831, AI433976, AV682222, BF885675, AW827228, BE965190, BE964633, BG250190, AI491852, AI590120, AL514691, BF816037, BF904258, BE966443, AL036802, BF344652, BF032768, AA640779, BE890007, AA572758, AW268253, BE964636, AW059713, BG179993, AW190042, AL513763, AI567351, AI349933, AW149925, BE048319, AW071417, AL121270, BF882343, AV757943, AV755668, BF970449, AW103371, BE048071, AV657079, AW827206, AW088899, AL042627, BF340323, BF727212, BF812933, AL036146, BG163618, AL513597, AI364788, BG252914, AL036631, AV733470, AV715263, BG036846, BF904244, AL037454, AW949453, AW073994, AI889953, AW238730, AV723953, AL045500, AI560012, BE876049, BF924882, AL036396, AW074993, BG110517, AL036403, AL514087, AI500077, BF885081, AI064830, AV681857, AV681987, AV715462, AV757455, AI312152, AI684265, AW235745, AW983783, AI349937, BE890041, AW129230, AV723772, AI499285, BG114012, BG112239, BE910703, BE964700, AI349645, AV729890, BG120816, BE966839, AI500553, BF133418, N71180, BG029829, AV681716, BE964708, BG112879, BF971016, BF343172, AI521012, AW089572, AI349772, BE966388, AI281773, BF984813, BG027280,

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HFIZK42	880	857254	1 - 534	15 - 548	AC010545, AC010545, AC046167, and AC046167.
HFIZM89	881	608211	1 - 485	15 - 499	AC022576, AC022576, AC036191, and AC036191.
HFKBA62	882	844485	1 - 1275	15 - 1289	AA340580, AW952852, AW966342, AW952839, AW950578, AW949500, AW966343, AW949498, AW966389, AW964468, AW964972, AW975618, AW973445, AW966330, AW964823, AW949645, AW964967, AW964532, AV702035, AV724520, AW950117, AW956413, AW956405, AV704548, AV718692, C14331, AV718489, AV719822, AW966399, C14014, D51060, AV650003, AV720150, AW973307, AW966333, AW949629, AV699550, AW960465, AV720729, AW966534, AW960921, C14429, AW966400, AV721386, AW955916, AV718707, AW966531, AW978634, AW966059, AW960483, AW959799, AW973541, AV705869, AW973474, D80522, AV727418, AW966332, AW959202, AW973488, AV720616, D80253, AW966386,

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HFKBC47	883	847076	1 - 1168	15 - 1182	BE744437, BE275481, AW368470, BE297148, BE549304, N23502, BE019239, BE880848, BE275609, AI191339, BG163687, AI302424, BE018874, BF847211, AA315663, AW139857, BE880915, AI031630, AI471615, AA022613, BE875242, AA595993, BE379459, AU154745, AI308872, AI193981, AI183617, BE208140, AI040016, AI628129, AI201502, W49745, AA468514, AI088246, AI130024, AW241250, AI361928, AW069284, R43680, AA026036, W72678, W81157, AA011294, AI869235, BF978633, BE740171, BF438268, BF184875, BF222013, AA022612, BE271750, AA527335, AI073739, AA487755, W75993, AW768967, AA025412, F01178, AA599868, AA151024, AI652489, AA340612, AW020977, W49661, AA022556, R80327, AW009466, AI085106, F19474, W81479, H44805, H39695, BE467203, BE260733, AA704514, BE746462, R53232, T79859, AI335108, BE144775, AI566569, AA595020, H05524, BF316118, BE312941, AW081802, AI392932, W00778, N67921, BE881217, R22901, T87579, AL530167, BF431532, AA468984, AI971229, AA022555, BF919201, T47998, AI041456, AA040077, BE298844, AI050694, R69575, AW804672, BF738631, BF940374, AA078072, AA636024, BE293182, W94802, F10456, BE938541, AL516318, T47997, BE958294, W23588, R80221, BF870901, BF674053, AW572353, BF949315, R24479, W70296, N80262, AA041480, BF308395, T63343, W77784, BE019742, AL525931, AW382899, AI497841, AW608329, BF221697, AA040125, AI720396, W42936, BF738776, AA476808, AA025390, BF807179, AI343743, AI344604, BF773466, BF905311, H12936, AA812602, AL525975, AW135491, BF852120, AA987877, BF304721, BE502064, AL525520, BE925720,

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HFKDX53	884	731867	1 - 1634	15 - 1648	BG167935, BE394925, BE880184, BF222775, AW604001, AA436118, AI026651, AI954188, AI871162, AA040823, AI953912, AW130505, AI961319, AI339153, AW150857, AI871163, AI590942, AI460033, AA398937, BF881240, AI049519, AA398781, AW467811, AI632359, AA564442, AA628112, AA738401, AI002975, AW731952, BF881947, BF887481, BE326421, AW150888, AA040160, W31991, AI673051, AI311080, AA101700, BF771264, BE768353, AW975369, AI799972, BF741605, AA742753, BF767186, AW747885, AL524851, AA639245, W31431, BE819022, R40271, AI694260, AA206490, BF514532, R87234, AW747883, AW949071, BF337010, AI598143, BF837505, AI569120, BF755909, AA911359, AA101699, AI906035, BE206813, BF508349, F11484, Z45478, AA707244, BF363004, F12745, H10740, H15995, BF312130, and AA249032.
HFKEB14	885	709663	1 - 1044	15 - 1058	AL514416, AW956812, AL523727, AI279420, AU152810, AI420870, AA479078, AA195406, BF238901, BF977371, N98861, BE045738, AA136965, BE566370, AI804571, AI699802, AV755145, AV754113, N45705, BF242571, AI681628, AI372840, AW769718, AI694369, AA347844, AU153998, AA911282, AU147043, AI147592, BF431892, AI535950, AA047138, AV753697, AA148640, BF691630, AA136474, BE766318, AA047277, AI095443, AI200616, N69888, BF676551, AI302112, N83905, N32222, AA347845, N50387, AA148641, N83432, AW955798, AA631266, BF939321, AA195458, AL134143, AK001298, AF017418, AF178948, AF179896, AF179897, AF179898, AF179899, U57343, AJ000504, AJ000505, AJ000506, AJ000507, U68383, U68384, AF202934, AC018563, AC018563, and AC018563.
HFKEG63	886	731913	1 - 1318	15 - 1332	AA682418, AA602032, and AC083866.
HFKES35	887	753268	1 - 1996	15 - 2010	BE273403, BE795166, BE744215, BE868054, BE273688, BE312867, BE544018, BE313318, AW245889, BE294320, BE872631, BE273661, BF306931, BF304812, AW245631, BF315669, BF309379, AI056337, AW953813, BE939208, BE264242, BE267034, BE312639, AA305944, AI494538, BE676067, BF317021, BE858379, BF203661, AA195139, BF514526, BE336908, AL534401, AW996647, BF802886, BF195186, BF763790, R37662, AA946712, BF760929, AA563941, F26367, AA195288, BF763629, AA480685, BF002442,

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HFKE35	888	829191	1 - 2045	15 - 2059	BE273403, BE795166, BE744215, BE868054, BE312867, BE273688, BE544018, BE313318, AW245889, BE872631, BE294320, BE273661, BF306931, BF304812, AW245631, AW953813, BF315669, BF309379, AI056337, BE939208, AA195139, BE264242, BE267034, BE312639, AA305944, AI494538, BE676067, BE858379, BF203661, BF317021, BF514526, BE336908, AL534401, AW996647, BF802886, R37662, BF195186, BF763790, AA946712, BF760929, F26367, AA563941, AA195288, BF763629, BF002442, AA480685, AA826333, BF763969, BF761832, T03732, BE736456, H25825, H23231, AI833314, BF762676, AI566930, AI886960, AI659737, AW887436, AA962629, AV683897, BE351010, AA587570, R13803, H63283, H23344, Z45455, T23741, AA364405, BG056976, AI871873, AW768872, AI589407, AA627562, BE348954, AA587546, AA196654, BF760372, BF925402, BE814372, N63583, N47375, N56991, AW663296, BF032010, AW841218, N94891, AI867532, AI659036, AI676007, BE939296, BF126064, AW934839, AI633213, Z24838, F18188, BE928622, AI978802, BG258277, AW843955, BF037600, AA465565, BE173888, BF734299, AI858496, AW873657, AI561228, AI811874, AA465211, BE938346, AA969445, AA196535, Z41159, AA627390, AL515043, AW058325, AL514869, BE905408, AI541056, AL037582, AL037602, BE075879, AL514773, AW118518, AL515035, AW983832, AI445829, AL514757, AW079075, AI554821, AL514799, AI802542, BE957870, AI866469, AI125884, AI613038, BF812960, AI819976, AL515225, AI624293, AL514939, AL513961, AI270051, AI798456, AL079963, AL121564, AI923370, AI627988, AI670009, AW051088, AL514809, AL514763, AI582932, AL514829, AI500061, AI868931, AW054964,

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HFKEU17	889	815554	1 - 1270	15 - 1284	<p>AI952982, AI763168, AI660838, AI928149, BF001704, BF220025, BE795063, AI826139, AI765444, AW151260, BE856100, AI928803, AI675589, BF434312, BF437293, AW016232, AW206044, AI707756, BE673117, BE294373, AW055044, BF219948, AI160785, AW119208, BE855993, AI151410, BE256392, AI453079, AI570609, AI745590, AI953225, AW299857, AI934818, AI934809, AW170027, AI497791, AW245680, AW955915, AW248105, AI338449, AI149164, AI566894, AI364092, AI356695, AI936816, AI130953, BE045174, AW119167, AW249764, AA994955, AI200552, AI349345, AA719323, AW731845, AI741812, AA292919, AI500281, AA424495, BF940630, N95061, AI032009, AW273339, AW246013, BF431748, AI929071, AI886963, AI199833, AA745886, AI933218, AI219115, AA628027, BF478067, H95114, AI122835, AI186651, AI185503, AI055815, AA976326, AI039364, AA402224, AA872300, AA679099, AA902359, T71360, BF206406, AI915367, BE314768, AI672982, T54128, AI766496, AI801925, AI399731, BE857644, AA205205, BE045175, R59883, H18546, AA308947, C17926, AW672807, W38897, R21285, AI978660, T71522, R59884, R19531, T54221, AA205163, BF986273, R45375, AW016236, H18438, AI913709, C18579, C01271, AI525909, D51097, E13578, AR035810, AF079806, AF265659, AB020978, AF078078,</p>

					AR035827, E13577, AR023865, AR023866, AR008382, AL161910, AL161910, and AL161910.
HFKEV77	890	850678	1 - 1274	15 - 1288	BE897614, BF128651, BE890073, BF966156, AI086059, AI192351, AI421846, AW341482, AL524969, BG120617, AI743446, AI191421, AI302685, AW662500, BF664312, BF055256, BF431998, AI569047, AI869738, BF114818, AW274556, AW406543, AA576425, AW162453, AI400077, AI286210, AI032331, AI073372, AI457696, AL524968, AA435919, AA236527, AI264013, AI025206, AI150824, AA747666, AI143814, AI126569, AW402014, AI291297, AI241221, AI097003, AW160443, AI992045, AA836680, AA935160, AW675361, AI221065, AA862308, AI347735, AI342201, AA490322, AA490310, AA847379, AW662869, AI074045, BF515982, AI525508, AI091667, AA165350, AW020703, AA164559, AA427895, AA532390, AI066462, AI342770, AI268127, AA650374, AA157009, BE122708, AV647213, AA476719, AA306892, AA034912, N92838, AA188818, AA428006, AA082259, AA938503, AA740314, F21881, AA034979, AI214417, AA456421, AW361280, AI537284, BE002719, AA621342, AA341034, AW373224, AI370587, AW373227, AA515191, AW991424, AV689851, AW393069, AI866755, AI972418, AA075842, AW875310, AW875261, BF743326, AI349589, AW373260, AW875387, BF819938, AA281132, AW875323, AW875373, R88195, AW875392, AW581565, BE122712, AW291939, BF107485, AA397692, AA102193, AW875322, AW991430, T56355, AA074038, AW674758, BE165950, AW576748, AW875390, AW580714, H80945, AV695253, T25464, AA969478, AI826601, AI889424, AI559371, T56504, BE694014, C02120, AA296279, AW197038, AV696342, AA975449, AA807386, N91910, AI468060, AA490408, AA490426, AA876641, BE763140, BF247727, BF246294, AI630442, BE222761, W24087, AA337922, W25063, AI750138, AA216134, BE969690, BF084850, AA188876, AA810617, BG058353, AA878689, AL110297, Z97876, AL035304, and M13095.
HFKEI15	891	775846	1 - 1966	15 - 1980	AU119584, AU137956, BG111200, BF674747, BE787633, AW195359, AU145890, AW022802, AW020540, AI819982, AW961791, AA977661, AW770239, BE551261, N40575, BE644653, AI285890, BF196126, AA424787, AA232742, AW084229, AA424381, AI453830, AI342983, AA424466, AA232201, AI023501, W94629, N25875, AW139831, W73917, BE541112, AW304880, AI216334, AA885880, AA776534, AA495846, AA865139, W77980;

					AA022618, AA022755, AW021261, AI261688, N25867, AA902429, BF222491, W94714, AW451610, H89575, AA551599, AA348051, AW451944, AA334694, N75774, AW263103, N22552, AI804844, AW975334, AI763387, AA688135, N40582, D56550, BE858880, D57248, AA886687, AW997570, BF034117, AF048693, AL034344, AK021858, AJ223298, AF045017, Z56386, AF078096, AL034344, and AL034344.
HFKEI35	892	740752	1 - 2487	15 - 2501	AA744431, AA745566, AA745387, AL355804, AL355804, AC012109, and AC012109.
HFKEK49	893	847077	1 - 658	15 - 672	AA868361, AI147528, AW749947, AI762033, AW085648, AA975510, AA404592, AA400922, AA743207, AI963027, AI758707, AI819637, AA633251, AA522600, AW190731, BG166967, H92066, AA708881, N67831, AA502328, AA922433, AV681567, AA837990, AI041274, AI934750, AI268163, AI273996, AW467658, AA281333, AI623609, AA594621, N68197, BE328143, H00632, AW300646, AW272517, T56696, AI912673, AA448008, AA834975, AA197151, AI028359, AA738380, AW275731, AU155765, AI459075, AA311882, BE042856, BE893053, H05791, AW275739, BF063959, BE812280, AA767466, AA442140, F03422, AA404724, W95613, BG231076, AI525746, BF592157, AW028865, AA393954, AI828252, T90855, H00712, F20545, R81602, BE047196, AA767781, AA878082, AA197136, F02982, AI362783, AI860741, AI525562, AL513974, AI096463, AA488413, AI983872, AI475554, BE217796, AL513973, C15612, AI095752, AI424596, BG169666, AA731032, AI362128, BE349063, BF436410, AI288194, AI884893, AI288209, AI983879, AI635329, AU157059, AA353859, AA323088, AW515086, BE048681, H27312, AI277954, F32271, BE206597, AI916422, AA570101, AI498619, AU154627, AI659141, AI631370, AA282628, R71757, AW194153, AI191825, AW024192, AI187149, AW299862, AI869106, BE646078, AU133255, AA282409, AA340550, AW151045, W95612, AI922109, BE717181, AW105372, AA283419, AW268681, F29206, AA083866, AA158846, AA157878, AA283417, BE041642, AI300605, AA448151, BE514693, AW770287, F22792, BE770895, AA040783, N80658, AA158250, AA159268, BE562544, AI140935, AI541533, AA262415, D20446, H92105, F23414, BE326434, AL137615, AK024347, AC007136, AK023442, AL137565, AF237776, AF125532, AK001730, AC007136, AC007136, and AC007136.
HFKEV88	894	732065	1 - 1933	15 - 1947	AU119437, AI126298, AU157282, AW952705, AU146650, AA884911, AA669075, AW237645, AA984931,

					AW207449, AW102724, T75092, AW873598, F10664, F13070, AA909557, AA323033, AW104892, BF438108, AW885975, R15207, F12792, AA122151, T75332, AU120638, AU137547, AA483610, AA736795, AA989534, Z42341, BE612612, AA039633, N88944, AA249408, T06701, BF697021, AA928139, BE833299, AL445216, AL137503, and AK001134.
HFKFV88	895	844371	1 - 2297	15 - 2311	AU119437, AU137547, AU120638, AW952705, AI126298, AU157282, AA928139, AU146650, AA884911, AA669075, AW237645, AA984931, AW207449, AW102724, AW901618, T75092, AW873598, F10664, F13070, AA909557, AA323033, AW104892, BF438108, AW885975, AA122151, R15207, F12792, T75332, AA483610, AA736795, AA989534, Z42341, BE612612, AA249408, AA039633, N88944, T06701, BF697021, BE833299, AL445216, AK001134, and AL137503.
HFKFV88	896	852540	1 - 2297	15 - 2311	AU119437, AU137547, AU120638, AW952705, AI126298, AU157282, AA928139, AU146650, AA884911, AA669075, AW237645, AA984931, AW207449, AW102724, AW901618, T75092, AW873598, F10664, F13070, AA909557, AA323033, AW104892, BF438108, AW885975, AA122151, R15207, F12792, T75332, AA483610, AA736795, AA989534, Z42341, BE612612, AA249408, AA039633, N88944, T06701, BF697021, BE833299, AL445216, AK001134, and AL137503.
HFKFX64	897	566835	1 - 765	15 - 779	AI202664, AC010798, AC010798, AC025291, AC025291, AP001203, and AP001203.
HFOXD49	898	844524	1 - 701	15 - 715	BF940754, AI401513, BG111423, AA487463, AA133266, AI701239, AA043576, AW327409, BE326701, BE062112, BE062269, BF853995, BE061936, W16422, N28532, W91969, BE504121, AI278980, T66914, AW370290, T66938, AW748370, AI298255, W57574, AA995721, F24877, AW275051, AA079778, AI085195, N28540, AW327410, W94061, R10981, AA129726, F33059, R10980, AA939310, H16161, W00522, T66913, BF090982, BF747280, BF742418, BE062265, AW179327, AI928681, BF746231, W05661, BE061928, BF195563, AW179320, N44541, AL119390, T66937, AA583255, BF747279, AW450450, W74739, AA076500, N69977, AI028229, AA716103, AA577006, BF195097, AI768308, AI936717, W47515, BF514989, AA479363, N98580, BE857708, AW366293, W94062, AA809695, AI651373, AA558361, AI686460, W01893, BF031714, AI826429, AI401817, W94916, AW025549, AI339854, AI192993, BF002474, AI313151, AI277446, AA838700, AI307403, AI340223, AI800219, AI186573, BE938453, BE938496, AV652634, D88153, AP000497,

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HFOXE28	899	847385	1 - 2039	15 - 2053	AL040396, BE745436, BG033729, AI970214, AW968783, BF001425, BF056754, AW967083, AW978802, AL042361, AI627368, AW006934, AI761270, AW963918, AW197157, AI862541, AV693555, AI340187, AL042362, AI015622, AW468251, AI568646, AI200936, AI697779, AW971816, AI223153, AV702723, AI952151, AU151630, AW516879, AL043628, BF873890, BF944070, AL045835, BE711307, BE695042, AI953773, AA428589, AL046277, AL046814, AI816703, AI921769, AI041069, BE711324, AW129408, AI366513, AW467398, AW008470, BE047438, BF001818, AV704704, AW264118, AA846767, AA782029, AL040343, AI341349, AW474488, BE711314, AI421029, AA873427, BF896220, AI304809, AI057266, AW474529, AI304805, AA400447, BF763086, AA609664, BF871799, AA587347, AA156779, BG015974, BE815956, AI125775, AW235441, AW661868, BE711330, BF941647, AI921814, AW514803, BE711312, AI143869, BF197632, AI217221, AI056766, AL041281, AW591727, AA781392, BE711327, AI718586, BF876098, AI580834, AA430496, AW439721, AA432308, AA483801, AA812737, AI624845, BE695050, AW135386, AA854897, AI888767, AI880143, BE244575, AI683105, AW612436, AW769182, AA992089, BF332890, AW959149, AA836232, BE042387, AA620321, AV684920, AI285738, H58450, H58451, AW514703, AI349079, AA633727, AA490952, AA026623, AA412382, BF764200, BG006830, BF880628, BE247785, AI057232, BE711341, BF765740, T59857, BF438261, AI038182, AA317624, AW769156, AA279111, AA704683, BF765737, AA861293, BF765871, AA076966, W03215, R63497, AA077670, AA236563, BE247145, AA490878, AA450019, AA335772, R96964, AA444157, R54767, AA076992, AA860422, AA443976, AI050016, AW272939, AW962237, BE246873, BF801214, AA452644, AA812875, AA626326, AA077343, BE694998, AW085650, AI880175, AA582318, AA428605, AW204628, AL041975, AA491063, AA441956, AA156848, AA429543, AI934149, AA379234, AA861629, AA827466, AA868549, AA449839, AI247201, BF764178, AA601475, BF765688, AA747785, AA077241, AI214163, AA083073, AI015075, AA703958, BF887502, AA077800, BF765466, AA703747, AA491139, AA813701, AA758933, T86447, BF765425, BF765060, BF358045, H00289, BF765739, AW873665,

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HFOYH74	900	610085	1 - 382	15 - 396	AL135749, AL135749, and AL135749.
HFOYP02	901	608178	1 - 902	15 - 916	AC006500, AC006500, AC006500, AC006500, AL139145, AL139145, and AL139145.
HFOYR24	902	866173	1 - 1846	15 - 1860	AC008249, AC008249, and AC008249.
HFOYR54	903	743196	1 - 1476	15 - 1490	AI760199, BE882460, AW971436, AI742680, BF698242, AV731318, BF971287, BE869846, AW961699, BG236448, AW044708, BE620199, AI222419, AW384883, AU147072, AV708960, AA992199, AI862023, BF739779, AI263606, AU147071, AI955575, AI679289, AI867639, BG142174, BF084679, AI681988, BE091058, AA847842, AA731098, AA992130, BF378463, AA770202, AU147153, AI056034, AA810790, AI000365, AW961694, AI087795, AI420376, AI884600, AI679865, AI271912, AW592097, AA025657, N76379, AA909134, W80758, AI357730, AI284853, N68965, AW606827, AW971435, W80885, AA504113, AA083314, AA347116, AW608731, BF081285, AI244315, AI094541, AA668325, AA837327, AI809694, AA047545, H89025, AW591044, T97061, AW369791, BE180982, AU121217, AA347117, AA295114, AV757996, AA888598, H88801, AI806559, AW580764, BE160828, AI631507, AW130117, Z25156, F00393, BF735155, BF432720, C02251, Z41368, BF337008, AA947202, BF735713, BF735541, T96950, BF735781, BE707408, X98494, AC007881, AC007345, AC007881, and AC007881.
HFOZB26	904	608177	1 - 769	15 - 783	BF893037, C03987, BF833319, BF830751, AL138791, AL138791, AL138791, AL390735, AL390735, AL390735, AC016372, AC016372, and AC016372.
HFPBF54	905	703186	1 - 1886	15 - 1900	BE176501, AL041952, BE670036, AI719704, AI144217, AW629522, AI268472, AA417804, AI803718, R71447, BE256982, AI263817, H91913, R49445, R58864, T91697, T91709, H91860, AA417803, R71099, AI695381, R35927, T92459, BF852777, T92476, BF852281, AV656373, AW950609, AV704497, AV707088, AV707304, AW958028, AW953953, AW964752, AV725027, AV651920, AV704607, AV656903, AV694812, AV689410, AV707234, AW963745, AW955662, AV701728, AV701586, AW953797, AW954697, AW962444, AV707753,

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HFPBF54	906	854776	1 - 1886	15 - 1900	BE176501, AL041952, BE670036, AI719704, AI144217, AW629522, AI268472, AA417804, AI803718, R71447, BE256982, AI263817, H91913, R49445, R58864, T91697, T91709, H91860, AA417803, R71099, AI695381, R35927, T92459, BF852777, T92476, BF852281, AV656373, AW950609, AV704497, AV707088, AV707304, AW958028, AW953953, AW964752, AV725027, AV651920, AV704607, AV656903, AV694812, AV689410, AV707234, AW963745, AW955662, AV701728, AV701586, AW953797, AW954697, AW962444, AV707753, AV704785, AV727314, AV705909, AV705282, AV704124, AV726930, AW958124, AV726194, AV728715, AV709273, AV702372, AV727625, AV705195, AV724987, AW954902, AW956289, AV705246, AV702266, AV707067, AW949441, AW952410, AW959270, AW966389, AW957517, AW952460, AV708961, AV706734, AV706089, AV729076, AV652026, AW967052, AV703989, AV707798, AW949478, AW949330, AW951555, AV704234, AW963899, AV687102, AV726088, AV658332, AV725153, AW964585, AW960601, AV658751, AV705590, AV708156, AV702087, AW950443, AW950006, AV725545, AW957677, AV708505, AV708210, AV706417, AW952403, AW952183, AV649566, AV706876, AW949762, AW952751, AW956075, AV645936, AV709587, AV727130, AV707059, AW955723, AV725324, AV658084, AV692600, AV650315, AV659389, AV697880, AV727613, AV726010, AW952888, AV660258, AV708109, AV647789, AW959521, AW953807, AW956474, AV659294, AV727787, AV703146, AV686060, AV725745, AV660608, AV728148, AW951239,

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HFPBI93	907	853359	1 - 718	15 - 732	AL533287, AL533228, BE468193, AA725549, AA418015, AW205080, AI379483, AA418084, R41855, AI288916, AA148943, AA150644, AA142972, AA148942, H09995, AI216388, BF091972, T17400, BG005083, AL533260, AW374706, BF000233, AI380984, AL121929, AF029729, AC025094, AC025094, AC025094, AL139339, AL139339, AL121929, AL121929, and AL121929.
HFPBJ64	908	610263	1 - 788	15 - 802	AV708951, AV722228, Z40687, AW148652, R49695, BE698986, Z40095, AC021079, and AC021079.
HFPBQ55	909	608171	1 - 832	15 - 846	BF979960, AW262883, AI631301, AI560079, AI016151, D61640, AI868167, AV726514,

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HFPCCK22	910	827286	1 - 1420	15 - 1434	AW976645, BF058655, AA020827, AA001559, AA742593, BF445178, BF515186, AW204150, BE221193, AI168255, AA968420, AI652513, AA047791, AA017634, H38918, AA017540, BF477971, AA001502, AI916815, AA885114, N67942, AL161645, AL161645, AL161645, AL161645, and AL161645.
HFPCM32	911	608215	1 - 747	15 - 761	AW872750, AA594157, AI821062, AA662117, AL046262, BF875954, AI085242, AL135357, AW962444, AV711465, BF342223, AC016716, AC005081, AC004983, AL136162, AC005537, AC004089, U85195, AC004966, AE000658, AC002563, AL353748, AL353574, AC073316, AL031311, AC020916, AC004965, AC008372, AC004685, AC007686, AL021977, AC005095, AL034451, AL049776, AC004686, AL022315, AC005522, AJ400877, AL121601, AL162272, AC011475, AL133355, AL035249, AC010605, AC002558, AC008474, AF038458, AL049576, AF001548,

					AC020904, AF168787, AC009087, AC022013, AC018507, AP000012, AC006946, AC009248, AL121583, AL109865, AC024584, AL035450, AL135749, AL122023, AL031283, AC006285, AC007383, AL049540, AL035685, AC005666, AC006241, AC003010, Z81369, AC083866, AL445220, AC002402, AC004383, AL135744, AC016144, AC009032, AC000053, AF165926, AL133387, AL035684, AC006480, AC005067, AC002350, AL079295, AC004695, AC000120, AC008551, AC006160, AL035420, Z83844, AC018801, AC005726, AL133453, AL078604, AC016025, AL080243, AL022165, AL031274, and AC023348.
HFPCM36	912	608237	1 - 427	15 - 441	AW206578, AI613409, AA632129, AW590525, AA868188, AI290086, AA523958, BF061509, N36246, BE138761, AI991633, AW128970, AA588504, AA424728, AA970449, AA999886, R44311, AI682888, N34390, AI524502, AA426182, R66939, AA490930, AI874148, BF677903, AW162194, AK025228, AB040901, AC027514, and AC027514.
HFPCS84	913	542057	1 - 438	15 - 452	AC006016, and AC006016.
HFPCU47	914	741049	1 - 1685	15 - 1699	AI818770, AV763657, AI821714, AI859834, AW503397, AI821785, AW238016, AW238278, AW819567, AL037910, AW963899, AW265393, AV704536, AV762957, AL048925, AA484143, AV706046, AA663966, AI810236, AI282661, AU120320, AA243452, AA494038, AV763418, AV759935, AC005291, AC067744, AL109769, AL133245, AL162831, AC025577, AL159158, AC011527, AC002091, AL137853, AC008623, AC006255, AC011495, AC004867, AC009087, AC026704, AC005409, AC003010, AC002347, AC000029, AC008395, AC005098, AC001228, AC006965, AC005839, L78810, AC022363, AC015651, AC010289, Z98752, AC004257, AL162458, AL391259, AC003695, AL121753, AC007542, AP000073, AC006540, AC006241, AC007404, AC005052, AC002316, AC004000, AL023807, AL391690, AC011455, AC008752, AC002375, Z68273, AC015842, AC006285, U52112, AF117829, AC004929, AL139100, AL138995, AC006440, AC007690, AC055740, AL359076, AC007055, AC005279, AC004840, AL021368, AC007021, AC005288, AC008764, AC003963, AB042297, AC008784, AF134726, AL031257, AC005261, AC005740, AL021940, AC002117, AL021707, AC009316, AD000092, AL049872, AL445210, AL049856, AL133263, AF003625, AC002528, AP001435, AL031680, AC002045,

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HFPCY66	915	825718	1 - 1598	15 - 1612	T70292, AI351398, BF525663, AW963450, AW275432, H94504, N58334, AA804177, AV683406, AA101744, BG152746, AI090377, AW021674, BF814446, AW963489, AA831426, AW272815, AL042667, AL042670, AI869797, R99253, AA525807, AI039257, AI797998, H59429, AI754926, AI433952, AW966064, AL036896, AW631267, AW151541, AU151751, BF880881, AI732690, H77492, BF970107, AW474825, AA676592, AI791659, BF816988, AA658443, BE328286, AW504667, AI224583, AA601376, BF876674, N55487, AI299891, AW961953, AI252005, AI254463, BF817996, BE244308, AI801563, AA199578, H72947, BF207643, AI572680, R23873, AI174703, AW338376, AA171400, AA218684, AI457152, AW403177, AA425283, AA180056, AW162314, AI275989, AA669238, AL157580, AA533660, AI360521, AI500645, AI732327, AI610814, AW975150, AU149405, AV717715, AA809125, AI927275, AA584360, AI754421, AW162332, AA584241, BF940118, AW501278, H40521, AC004056, AL035587, AL353807, AL035413, AC008753, AL138836, AC005527, AL080243, AC010311, AC009060, AL031295, AR004690, AC008264, AC005529, AC008738, AC005921, AC005914, AL138741, AC008519, AL031255, AL022724, AC008745, AL121890, AC006166, AC007406, AC005081, AL109963, AC018644, AB023051, AL358777, AL110503, AC008551, AC010458, AL445143, AF134726, AL035684, AC010358, AL035405, AC004166, AL137119, AL031311, AC004686, AL117382, AP000553, AL008582, AC004089, AC011811, AC005619, AL359502, AL158167, AL031186, AC005082, AC011475, AC008649, AC011495, Z74739, AL121829, AC004263, AL022302, AP000512, AC025593, AC008623, AC006487, AL109952, AC004257, AL023799, AF111169,

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HFPDC65	916	839208	1 - 949	15 - 963	<p>BE544880, AW955748, AA366615, N80376, AA780356, BE221955, BE928309, N62652, BE561346, AI363115, AI143417, N57941, R27091, AI018015, AA992800, AI458029, AI187783, BF751997, AA833760, BG108406, H89138, R36271, AI348897, AL041772, BG058150, AI306705, AW163823, AW022699, AW827206, AW020397,</p>

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HFPDE42	917	844402	1 - 2220	15 - 2234	BF057241, AI333004, AW071844, AW590483, AI362050, AI817927, H24166, AV702229, H05077, BE046035, T77638, AI656763, H11709, R21067, H00149, H11621, R25273, H24058, R46626, AI363814, F13239, F10840, N51303, AW139488, AX045769, D87458, A52255, AL358334, and AL358334.
HFPDE88	918	561939	1 - 1647	15 - 1661	AC068865, AP002833, and AP000839.
HFPDO25	919	636185	1 - 519	15 - 533	AW629050, AA703947, BF969989, AW291059, AI168832, AA917639, BF197527, AV730098, AV732325, AV731768, AV732165, AV730445, AV731026, AI336456, AW607747, BF970321, and AC004945.
HFPDP70	920	745433	1 - 2085	15 - 2099	AI908093, AW571493, AA528480, BG057491, AW265138, AW819626, AA493898, AV733328, H05073, BF918165, AA302980, AI582890, AW515448, AI633021, AI889356, AW517716, H10143, BF796375, AV702609, AV706237, AV764104, AI859946, BE151470, AI273107, AL078601, AC012155, AC004500, AC010719, AC005057, AC005192, AC005358, U62293, AC008812, AF165926, AC006452, AC008372, AC002558, AC002395, AL121601, AC004867, AC005280, AL162272, AL138996, AL135744, AL133163, AC004158, AL445220, AC005899, AC008543, AC004812, AP000359, AL157791, AC011479, AC004596, AL121655, AL133448, AC008747, AC011490, AC006312, AL049776, AC003101, Z83838, AC008482, AL022165, AL356800, AL132713, AP000555, Z98941, AC006390, AL121694, AL033529, AL050307, AC005179, AC021876, Z85987, AL096817, AC003029, AP001630, AL109743, AL109825, AL109804, AC006285, AL136981, AL158040, AP001753, AL139421, AC004125, AC002365, AC009311, Z97053, AL080243, AL031280, AP001694, AL034405, AL096701, AC005522, AC003103, AC011465, AC009516, AL033504, AP001727, AC010789, AC011495, AC010618, AC004813, AL139100, AC008474, AL022317, AL035072, AC000067, AC021016, AF152365, AC022137, AC002045, AL110115, AC006077, AC005098, AC002316, AC007225, AF001549, AC005971, L47234, AC007191, AP001712, AL136137, AL050348, AC007182, AP000073, AL136304, AC004996, AL354696, AC011455, AC009756, AC008537, AL031433, AC002544, AL135978, U52112, AL121965, Z95331, AL109797, AC004106, AL049576, U73638, AB023050, AF200923, AL136303, AL049829,

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HFPDR39	921	834441	1 - 1847	15 - 1861	AL041566, BG035375, BG180828, BG163499, AA477266, BE929508, AI656936, AI951716, BE311457, BF037608, BE304936, AI096374, AA477267, BG231493, AI927648, BE673235, AA292231, AA922034, AA479878, AI718425, AA824471, AW340634, BF221541, AA699300, BE218451, AA575922, AA443588, BF360701, AI141913, AW474476, AI150393, AW605006, AW605021, BE255147, AW474456, AW473924, AA399440, BF515641, AW016407, AA427523, AA812642, BF594363, AA293470, AI262030, AA723836, AA994091, W76034, AI985377, H49237, AA143496, AW977873, AI660111, R20962, AA873844, R06788, AA808474, AI918933, BF765377, T79352, AA143497, Z45236, F04128, AA503842, R01824, BE967737, T79783, AI361214, T39691, W72847, AW079858, AA987751, BF852682, R00061, AA430714, AI424488, AA293015, H49238, F08632, F01790, AI873138, AW235170, AA693978, R06739, AA548157, AW082809, AA421387, AA227223, AI867963, AI823640, R01094, R42744, AW050670, AA226870, BE408530, AL080046, AL080045, AV723825, BE257943, AA938181, AI524654, BE907712, BF997967, BF038138, AV697288, AI345471, AV682773, AI440260, AA928539, AW243587, AI688381, BG111673, AV691059, AW022636, AV722452, AA580663, AA808175, AV654374, AL040169, AW020397, AV693410, AI648494, AW020938, AI312210, BG112786, AW020710, BF999944, BG105895, AW188525, AV716359, BG029457, AI568061, AI499325, AV693523, BF911517, AV724898, AL047344, AW071412, AA641818, BF669663, AA767924, AI859991, AI829893, BE047833, BE890185, AI539766, BF871314, AW051088, AV735659, AI307494, BF813196, AL135022, AA587590, AV733745, AV704350, BE892572, BE965159, AV758453, AI799313, AW962455, BG178598, AL137675, AB033010, AC021016, AB041609, AF058921, AL117575, AL389935, AL137271, AK027213, A91160, A91162, AK026480, AL137529, Z82206, AF124435, AK026526, AK024538, AL389939, AC002472, AL031984, AL031732, AL445123, A12522, A93914, AK026927, AL022147, AL137562, L04849, L04852, AL138755, Y18680, AC025765, A08456, A31057, AL023657,

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HFPDX08	922	746379	1 - 979	15 - 993	BE906651, BG168467, AW376987, BG169652, AW958711, AA306076, AA742230, BE870689, AU123211, BF568828, D31182, AA287785, Z41515, D31041, BF794808, D31415, AW468349, AU154166, AA286829, BE837822, AV749092, BE207007, AW504168, BE261550, AA678950, AA742316, BF448904, AK022536, and Y10777.
HFPEP69	923	835459	1 - 1066	15 - 1080	BE882762, BG028974, AI653829, AI872423, AI638644, AI620864, AI470717, AI339544, AI370623, AV698290, AI345688, AW169604, AI584130, AI682798, BE393784, AI673140, AI678446, AI364167, AI569492, AI524179, AW117926, AV652792, AI540354, AI963564, AA187616, AI950729, AI653402, BF525423, AI439452, AW263355, AW151132, AW960389, AV726058, AI690748, BE963880, AW131282, AW083572, AW080920, AV706773, AI828676, AL515021, AW262557, AI085870, AW151974, AI955117, AI932966, AI568293, AW959543, AV706527, AI921155, AW020592, AI274438, AI479292, AW193125, AI570056, AI868680, AI457369, AW130362, BF680133, AV655577, AW949802, AI866469, AW006132, AW080700, AV702021, AI468970, BG163646, AI471282, AI678324, AI927233, AV702151, AI349482, AI288305, AI687944, AI874261, AI630928, AV728546, AI419826, AW955902, AW188489, AI284035, AW950443, AV707401, AI886440, AI610799, AW952403, AW952183, BF812960, AW959806, AV656903, AW955613, AI912437, AV661704, AI358271, AI499570, AV696106, AV697196, AW952751, AW956075, AV645936, AV709587, AW964421, AI932660, AV692600, AV650315, AW951263, AV659389, AV697880, AV727613, AV689111, AW958366, AV728157, AV655280, AV660258, AW956474, AV727787, AV659294, AV692345, AV686060, AV725745, AV660608, AV645906,

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HFRAU40	924	701986	1 - 941	15 - 955	BF997753, F31888, Z84487, U52111, AC008636, AF002223, AL391114, AC006965,

					AC005668, AC023880, AC005520, AC005291, AC005221, AC007687, AC055740, AC004906, AC009236, AC002544, AC005284, AL135959, AC004486, AP001728, AC007938, AC004472, AC018639, AC002994, AL353788, AC005094, AL158040, AC005722, AC006120, AL358777, AL133295, AL442167, AL163285, AL133215, Z86064, AC016397, AP001432, AC004990, AL121865, AC003663, AP000151, AL160231, AL158064, AL136992, AC002464, AC009247, Z83841, AL078638, AL022397, AF224669, AL161731, AC020673, and AC020673.
HFRAY90	925	846839	1 - 1150	15 - 1164	BE899033, BG120848, AW966502, AW966507, AA625198, AI694815, BF195364, AI500232, BF919958, AI743042, AI911167, BE181109, AA055415, AI243766, H18528, AW102728, H19194, R21484, R42869, T82475, AI698700, AW889178, R13349, AI220530, F12457, R51593, AW838921, Z42677, AA374460, T74135, AV701292, BE515253, AA912360, AI262729, AA670423, AV701194, R40864, AA351347, F10078, BE064946, AW601295, BE064712, AW748985, BE181067, BE064846, AW601290, AW675397, BE064703, Z38842, BE698159, R56748, BF838736, N98984, BF909166, BE708894, BE181544, and AB041572.
HFSAY91	926	828067	1 - 1915	15 - 1929	AL521628, AL528516, BF515899, BG113479, AV699928, AV700260, BF057696, AL043137, AW965030, AI740780, AA126734, AW373579, AW373591, AW373576, AW373584, BE568049, AA128246, BE551028, AA743097, AW021039, AI718075, AI636513, AI168237, AA417895, BF035296, AI820671, AI523148, BE566100, AA972579, BF184317, AA056511, BE143218, AL517051, BE539734, AI266161, BF327352, AW810119, AI910565, AW383727, BE842409, BE000705, AI301473, H16907, AI392650, AI077577, AI301404, AI458525, AU126075, AI301411, BF591313, R91791, T95247, AW363658, BE550123, AI002654, AA342941, T96558, AW363694, AI732249, AA352683, AA482381, AA056398, AW022887, BE766054, BE842283, BF338892, AL521629, AL157441, AF232673, AF232674, AP000115, AP001717, AP000047, AP000304, AK001274, AF232675, AP000046, AP000191, AP000191, AP000115, AP000115, AP000304, AP000304, and AP000304.
HFSBC10	927	638315	1 - 1430	15 - 1444	AI733876, BF229235, AI733905, AA165024, AA343027, AA333314, AA165409, AC004957, U28240, and AF268594.
HFSBE94	928	600398	1 - 864	15 - 878	AW500684, AI755214, AI754105, AI754567, AA343182, AW576251, AV762633, AW474168, AV758870, AA502991,

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HFTAN11	929	638316	1 - 779	15 - 793	AL521344, BF526952, BF310898, BE547192, AW732904, BF975898, N98622, BE300749, BE276664, BF056070, AI185990, BE300908, BG179105, AW965897, BE304349, AI890468, BG118688, BE206140, BE205826, AI913167, AA604141, BE811563, AW189371, BE300932, BE205961, BE207713, AA707747, BE042853, AI049994, AI095206, BF664456, BF109771, AA399333, AA224759, AA194497, AW169124, BE811745, R68583, AA380668, R34696, AA358636, BE207811, AW402289, BE811632, BE207376, BF744678, N51433, AA180938, H51919, W07676, AA641400, AW401754, BG250719, AA304034, T35106, AA180815, AI743409, AA484892, BE811696, AA320048, AW962791, AL041375, AA935827, AV756663, AI521525, AW151541, AI572680, AI753904, AW974363, BE677037, AI090377, AW020150, AI568376, AI078409, AI733523, AA829565, AI310670, AW104161, AA831426, AW192419, BE328286, BE045167, AI289050, BF896847, AI003391, AA526542, AI251696, AW084173, AI926102, AI745116, AI160836, N52178, AI801563, R34803, AI025355, AA515728, AI890862, AL042667, AL042670, AW084445, AA916430, AV683406, AV762037, AI338575, T74524, AV761745, BE273825, BE206375, AW901945, BE392753, AI791659, AI613465,

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HFTAR27	930	566890	1 - 1427	15 - 1441	AA430300, AA541688, AA776700, AA679037, AW664335, AA573270, AA126614, AL045796, BF435548, AI268236, AI926591, AW192904, AI963606, AI924827, BF516156, AI922590, AI032288, AI375804, AA705172, AW081541, AI800450, AA694514, AI130883, AA931725, AI270687, R59176, AI366906, AW058362, AI446542, AI683319, AA436891, BE049444, AI597744, N25288, AW453004, BF928886, W69578, AI911821, AI095665, AI130013, W69579, AA722782, AI587015, AI191864, AA398533, AA687634, AI476374, AA115447, AA554327, AI139766, AA676733, AW242281, AA886732, AA664356, AA358590, AA759328, AI565897, AW304844, H71919, AA916086, AA618576, AA042956, AA430199, AA363371, AI370031, BF445642, AA393105, AA135916, AI934183, AA135927, AI004140, AA042816, H44791, AA135926, AA813424, AI865731, R42647, AW956718, AA115446, R27785, AI857286, AI631988, AA678468, AW008428, AW075384, AI569918, AI918635, H44790, BF743669, AA601518, AA603858, H42641, AI745618, AI445766, BF885342, AI939990, AA682186, AW364938, BE926745, AI569374, AW029062, BF885678, C01947, BE769091, AI863382, AV712672, BF970652, AL514627, AL513999, AL514691, AW827290, BF814450, AI590120, BG179993, AL514205, AI698391, AL514097, AL513755, AL514791, BG029667, BG114304, AL514721, AW827206, AL514015, AL036403, BG023758, BE891942, AL514087, AL513631, AI358701, N42321, AL514473, BG027280, AL046944, AL513977, BF527014, AL037454, AV726125, AL513553, AI886124, BE879000, BF032768, BF338002, AI978703, BG122481, AW827289, BG170937, AW167228, BF970093, BF968151, AV682724, AI254727, AL513951, BG164558, AI590686, AL515413, BG029829, AI637584, AL513723, AI783504,

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HFTAR30	931	801906	1 - 612	15 - 626	BE515299, BG116340, BF569814, W67899, BF909370, N80312, BF570324, AU117994, W84684, BE797969, AA433912, AI743869, W67643, BF475403, AI829728, BF032985, AI144528, AA019611, AI364777, AI865116, AA019450, AI347424, BE879334, BG153219, AA888618, BE881037, D81217, W37842, BE875549, AV689111, AA460448, AA648850, AV655758, AV709769, BE879798, AA458950, BE878868, BE874959, AA410313, BG034627, R56912, R55713, AV755230, BE876227, AA554077, AV705135, AV723801, BE873776, AA081407, BE874269, AV722749, AV710871, BE875679, AV727103, BE880000, AV702721, BE875022, BE898244, BE879931, BE880558, BE877897, BE877313, BE878969, BE874129, BE879486, BE908276, BF342434, AL119836, BG025259, AA724795, AL039081, AI287830, AA244460, BE880405, BE877380, BE881383, AA806676, AI524536, AA635387, AI498834, BE880171, BE873910, BE737068, AI207423, AA552550, AI022361, AA177050, AA746215, AV712023, AA565898, AA523066, BE877534, AV734388, AV711185, AV707414, AV710411, BE876255, AV716518, AV712842, AB007865, AK026993, AL132641, and AL132641.
HFTAS49	932	847386	1 - 504	15 - 518	AI086076, BF432976, BF110160, AI493530, AA573873, AA594551, BF967837,

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HFTBB50	933	610015	1 - 1816	15 - 1830	AL042566, AL042567, BF342759, AA705540, BF741970, AI075818, T11781, AW178995, R57752, BF755427, AW342065, AI751162, AW895386, AU121501, AV703560, AA644320, N71721, BF945606, AW192065, AI431434, AW104793, AI889566, AA832188, AI298061, BF931462, BF725029, AV730388, AW518798, AA054055, BF903504, AI537538, F13749, AA829564, AI205010, BE077301, AI002790, AA457655, AI499301, AW162288, C18550, R61498, AA012998, AL038498, F12561, AV703259, AV726885, AA700038, BF916850, BF792316, AI540840, T86119, N55515, AW794231, AW188986, R59805, H21488, S57132, M92642, AC004971, Y09781, AL050318, AL031229, U89337, AL031984, AL158141, AL137802, AC068629, AC068629, and AL355514.
HFTBL17	934	844488	1 - 1008	15 - 1022	W58428, AL038713, AW157413, AI858607, BE646447, AI685116, AI887321, AI818151, AI925647, AU157470, AU146974, AU145383, AI559442, AU148220, AI264673, AA767353, AW084901, AV726924, AA902828, AA932087, AI250812, AI819528, AI367384, AI924175, BG059728, AI817158, AI499286, AI568919, AA778304, AW139132, AA130476, BF681274, W58442, AI147839, AA189081, AW085676, AI811494, AL523955, AA659014, AA055654, AW962610, AF074627, BE165748, AW262471, AI453790, AI675848, AI921101, AI051341, AL133942, N24958, BE176566, BE728951, AW177120, BF689260, AI376984, AI082077, AW089655, BF963854, AA864823, AF063514, AI827133, AI983921, AA911409, AW177226, AA493998, BE385675, AA846188, AI733728, AI862874, AL521095, AI246569, AA130536, AA581433, AL044349, N64574, AI561208, AV719347, AA807609, N20521, AW074001, AI610326, W49501, AW102963, H20876, AI027421, BG235936, AW151307, BE409924, AI973178, AI984510, BF056069, BF576607, AA129986, AI801377, W85828, AA287329, BE044603, T16214, AW177231, AW177264, AW517766, BF339110, AW167452, N26540, AW177317,

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HFTBL17	935	863152	1 - 1063	15 - 1077	AL038713, AW157413, AI685116, AI925647, AU146974, AU145383, AI887321, AI858607, AI818151, BE646447, AI559442, AU157470, W58428, AA767353, AW084901, AU148220, AI264673, AV726924, AA902828, AI367384, AI250812, AI924175, AA932087, AI819528, BG059728, AI817158, AI568919, AA778304, AW139132, AA130476, AI499286, AI147839, BF681274, AW085676, AA189081, W58442, AI811494, AL523955, AA055654, BE165748, AW962610, AF074627, AA659014, AW262471, AI453790, AI675848, AL133942, AW177120, AI051341, N24958, BE728951, BE176566, AI376984, AA807609, BF689260, AW089655, AI082077, AA864823, BF963854, AI827133, AA911409, AA493998, AW177226, AF063514, BE385675, AI733728, AI921101, AI862874, AA846188, AL521095, AA130536, AI246569, N64574, AL044349, AV719347, AA581433, AW074001, AI610326, AI561208, N20521, BF576607, BF339110, W49501, AI027421, H20876, BG235936, BE409924, AW151307, AW102963, AI973178, BF056069, AI984510, AI801377, AA287329, W85828, BE044603, AA129986, T16214, AW177264, AW517766, AW167452, N26540, AW571697, AA157033, AW177231, AW177317, AU150602, AI132962, AA709024, AW090210, AW193992, AI683685, N76274, AA581340, AI952804, AV730063, AW272376, AA152091, AA843874, AI811854, AW813744, BE973780, AI927861, AL041411, AI479035, AU118990, AA854527, AI439415, AU143935, AU145663, AW177266, AI538654, AA085707, AA166854, AW168798, AI025602, AV719696, BE148908, AA889273, AW440317, AA092309, AU143906, AI439860, AI862212, BF002501, C17235, AV720543, AA099788, AI034217, AA771730, AA342331, BF112065, AU144339, AA771711, AA946637, AI189033, N90055, H97952, AI369914, AA493735, AA811111, AI440018, BF063798, AI687804, AI632138, BE264670, AI872415, AA961590, AW177237, BF439824, AL137994, C17730, AI061131, AA953572, T62931, BG254138, AA169142, AI334099, AA862481, AU122382, AI291353, AW089864, AA631430, AI285660, AI393148, BE549207, AI697247, AI937684, AI963795, AI346802, N77920, AI869945, AW150375, AA070814, AW514137, AI336355, AI290861, AW130042, AI591332, AW468555, AU121228, AA559950, N64727, AI955464, AI874256, AA176355, AI871616, AI610776, AI197934, W33199, AA346162,

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HFTCF02	936	603447	1 - 1063	15 - 1077	BE727281, AL079954, AI871484, BF939649, AA977155, AI986153, AI201815, N92783, AI480196, AW000973, AI885619, AI077487, BE702314, W20512, AW028046, BE702317, AA253315, AA083841, AW294969, R49408, AW294970, R88573, BG055697, AI422012, AI073594, AI590033, AW902325, AI434850, AW902399, AW902178, AI568640, H51195, AA083683, AI634066, AI636642, BE694707, AI440464, C20634, BF954752, AW589695, AA262340, Z41417, AW235874, H51227, BE830648, BF922738, BF933727, BE702341, D25246, and AB023142.
HFTCI85	937	664487	1 - 1295	15 - 1309	AW965008, BG109996, AW327868, BF677892, AI431303, AL046409, BF668217, AI284640, AI963720, AV710066, AV762098, AV760777, AA720702, BG249643, AI801482, AW303196, AW274349, AL119691, AW833862, BF311000, AF330238, AW301350, AV757607, AL046205, AI334443, AU147104, AW500125, AI345518,

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HFTCJ32	938	604911	1 - 896	15 - 910	AA601376, N68677, AI028148, AW419201, AV758849, AA595661, AA577706, AA493546, BF814446, AA526542, AII74703, AI307201, AW850448, AA584360, BF530611, AA573067, AW850670, AI040051, AI254267, AI224583, AW974932, AW072923, AA126450, AA502450, AA218851, BE139139, AL040054, AI251034, AW819125, AV759507, AW272815, AI432270, BE967607, AW964231, AA640305, AW833862, AA515046, BE042649, BE160727, AV761745, AA601712, AA084439, AL045077, AW855803, AA191418, BE160910, AI590442, AW502688, F23327, AA630476, AW270256, AI926728, AW303098, AA493245, AW956640, AL109952, AL121601, AP001711, AC020663, AJ003147, AC008555, M63796, AC003982, AL356747, AC005228, AC006013, AC006450, AL049870, AL008726, AL133370, AL499628, AL096776, AF207550, AC005540, AL022149, AC005180, AC021019, AC007676, AC008940, AC000090, AL023803, AC004263, U91327, AL158064, AC004673, AL031003, AC009429, AP000211, AP000133, AL008719, AL080250, AF003626, AC005703, AL139396, AC007782, AC010205, AL445263, Z93015, AL353759, AC020728, AC005412, AL035659, AC009477, U91326, AL031666, AL355392, AL163279, AL138717, AP000555, AC010553, AC008102, AC011495, AC008277, AC035147, AL034548, AL109797, AC011462, AC002558, AC005726, AP000563, AC007386, AL121586, AP000503, AF134726, AL031594, AC004752, AL023880, AL391114, AL135927, AL355094, AC011452, AL035404, AL080243, AC005175, AL022238, AC008264, AF165926, AL050349, AC006538, AC005800, AL121934, AC006026, AC009408, AC005841, AL137182, AL031296, AC011475, AC016995, AC009470, AC011489, AC023051, AC005629, AC000353, AC005049, AR036572, AC008044, AC006312, AL157838, AL136307, AC005944, U91328, AC006453, AC004230, AC008950, AC007739, AC017092, AC006285, AL354696, AL022726, AL160175, AD000091,

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HFTCO17	939	844354	1 - 2880	15 - 2894	AL045473, BF431884, AI140765, BE972706, BF057636, AI459216, AI339227, AW263538, AI420525, AV701365, AI087821, AL043401, AW339511, AI093411, AI014944, AI225120, BE502305, AW003156, N29916, AI089704, AA418868, H29688, AL043402, AI057149, BE551584, AI801659, BG121613, R59033, T16292, AL045472, AA909464, AI564164, AA047289, AI003738, AA708671, AI357935, BE763755, AI492472, D81060, H11058, AW452762, AA418867, N42968, H11144, N67647, T10147, C16439, AI968166, H14499, D52435, AW235413, Z43681, Z38788, T10146, D81599, N71210, AI207179, AA011072, AW664807, R05561, F05878, AA361835, R14477, AW070878, H29601, R42294, W01096, N22008, R13657, R05458, R40831, R58984, Z41343, F02984, AI873136, R38503, H14500, H15191, Z45674, D57833, AI922184, AA011073, AA047150, AW800653, AI393698, AA765145, R30651,

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HFTCW07	940	604987	1 - 823	15 - 837	BF677892, BE150580, AI696962, AA521399, AA521323, AV733400, AA581903, AF330238, AV759505, AV762395, AV760777, AV757607, AI284640, AA491284, BE674881, AW956640, AI431303, AA613203, BF991286, AV735495, AV740801, AA502866, AI732865, AW265385, AV734666, AL046409, AI963720, AV759507, AL119691, AA682912, AV761489, AW956641, AV742057, AA468022, AV762064, AA490183, AV763670, BF793766, AA478355, AV762009, AV762139, BF681619, BF668217, AV759204, AV762111, AV763847, AU147104, AW419262, AV728425, AW193265, AW245747, AV762397, AV764307, BG249643, AW265393, AA702729, AV763540, AI334443, BE049139, AW500125, AV763971, AV759274, AA584167, AI305766, AV762098, AL038705, AL044940, AW265170, AI270117, BE253048, BF337291, AV735370, AI457397, AL138455, AV761362, AV710066, AA665330, AW073470, AI623720, AA680243, AV762505, AW960468, AI345654, AW303196, AI732120, AA601222, AL042853, AV763449, AA507824, AV725423, AW502975, AW963497, AV761106, BE378770, AI754253, AW274346, BG036665, AL048626, BE350772, AV764578, AW301350, BG222267, AL046205, AI801482, AV762535, AI799642, AV763354, AA877817, AV760057, AF074677, AW023672, AW103758, AV760042, BF680639, AA634889, BF846782, AV760395, AV763701, AI919265, AW327868, AV761843, BF683672, AA720702, AW973397, AW247819, AV760937, BG060148, AV763550, AW513887, AA908687, AW472872, AI499503, AV760207, AA569471, AA587604, BE297262, AV763122, AW410400, AV732891, BF872630, AV764329,

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HFTDF32	941	600360	1 - 1363	15 - 1377	AV747043, AA358845, W02850, AA318034, BG181036, AA613623, BF946053, AV762633, W96522, AA772906, BE350953, AA441810, T57683, AI923052, AV759632, AV695478, BF805088, BE156122, AA833875, AA833896, AV763457, AV759675, AW471092, AI619742, AA483606, AW265688, AA570740, AI299500, AW897556, AW969743, BE156146, AV760019, N77915, AI459904, AI459943, BE246044, AI376022, AI829331, AI053827, BF871705, AA568204, BE970985, AL133950, AV647713, AW243793, AV742175, AI612142, AV764634, AI246796, AA482953, AC006207, AL031984, AL157818, AC002302, AL049843, AC005102, AL050335, AC020917, AC008083, AC008812, AF168787, AC004887, AP001712, AC009542, AC020626, AL034417, AL031681, AC008616, AP001331, AL050307, Z96074, AC006211, AC005514, AL136529, AL033527, AL138976, AC011490, AC007151, AC011453, AP001710, AL109843, AC006337, AC008760, AL442166, AL163284, AL158828, AL357519, AC006329, AL355112, AC005829, AC012067, AC005000, AL117338, AP000040, AP000108, AL049749, AP001714, AP001610, AP000697, AL031659, AP001711, U85195, AP000466, AL121967, AC005618, AC009330, AL109614, AL163218, AE000658, AC011738, AL034420, AC004929, AL445687, AP000014,

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HFTDF79	942	827459	1 - 1305	15 - 1319	AI473616, AI219165, AA912481, BF511109, AL531019, AL521214, AL521215, and AL536907.
HFTDK11	943	837382	1 - 2000	15 - 2014	BE276766, AL134367, BE276677, BG031728, BE276170, AW575719, AW953770, AW408059, AV749841, AA306122, AW517243, AA452973, BF244823, AI955807, BF841829, AI146484, AW956884, BF981210, BE727509, AI535996, R54051, C15893, H10862, BF841833, N78588, AA350297, AI336672, T08645, AW955577, AW900227, AI077512, R75990, AA226715, BF742525, BE670050, AA226714, BE560077, AI979320,

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HFTDU08	944	825715	1 - 1186	15 - 1200	AW969301, AA020943, AW135740,

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HFVGK67	945	569778	1 - 1281	15 - 1295	AV763460, AL041375, AA526542, AV712092, AW023975, AI065031, AW021674, AA584360, AI753131, AW501278, AI732690, AW979200, AA807704, AI890283, AI076729, AI547110, AI754257, AU146789, AI890297, AW338376, AI090377, AA171400, AA218684, AA199578, AV758849, AV762541, AI254267, AI114755, BF949151, AI921744, BE677164, H05066, AW439224, AI754421, AW419201, AA831426, BG003974, AV743067, AA640305, AA610644, AW962971, AW410409, AW410844, AA180056, AW504667, AW576221, AA084320, AI174827, AA828840, AI797998, AW272815, AI444575, AI174703, AA313025, AW022796, AI744199, AA533660, AI570067, AL121039, AI732720, AI702049, AW963552, AA595661, AW875184, AI754926, AA493546, AV759517, AI701898, AI636422, AV728973, AA524604, BG109302, AI003068, N26159, AI251024, AV732057, AW514844, AV729090, AI567676, AI828721, AW072963, AW265468, AV759022, AI312267, AW129188, AI572680, AA557945, AA493464, AV727766, AW243817, AU146999, AI733523, AW970856, BF812696, AI270280, AI751698, AA664963, AL036949, AA467855, AI002950, AL042667, AL042670, AV756264, BF589864, AI355246, AA132929, AW953437, AW148821, AL039436, BF592586, BF971234, AW850985, AW575808, AI792586, AI792498, AI345166, AI028148, BE244308, BF849260, AU120423, AA847341, BF913232, AI571094, AI860648, BG059139, AI025355, AW873417, AW008217, AV683668, AW239465, BF530611, BF882222, AU147226, BF725436, H62123, AA527633, AW960129, AA636077, AA601674, AV687027, AW510403, T26553, AI252611, AI744890, AW268793, AI679486, AL044966, AW238712, AA730530, AA182928, AW970588, AI609992, AV764119, AV734311, BE967607, AA469230, AI434103, AI819419, AI857834, AW023390, BG180320, AA935827, AW029626, AV651424, AW327852,

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HFVHD38	946	826709	1 - 2149	15 - 2163	BF569563, AI675601, BF448710, AI927569, AI021956, AW006374, AW471286, AI826018, BF671821, BF435308, AI890341, AI810654, BF570055, AW169258, BF431979, AW874655, AV707927, AI651209, AW953957, AV702209, AW019935, BF697787, BF476689, AI199843, AI972357, AL036457, AA065199, BE301851, AI088890, AA709124, AI148316, AI653895, AI128287, N51991, AI131110, AI370980, AI128288, AA121420, AA595022, AI050847, AI139419, AI097508, BE763321, AI089965, BE326981, BE074862, AA167466, AA973858, AW023165, AI131359, AW474345, AA121267, AI078524, W67469, AI073942, AI131119, AW513406, AW023176, BF589348, AA595425, AA773728, BE220409, BG002711, AI804337, N26805, AW021990, AA931243, BE868584, AW779991, AW149152, AW167929, AA514757, AW204894, AA016282, AA071473, BF894379, BG166813, AW768838, W42865, W02151, AI215875, BF439864, AW593630, AI769294, AA448616, AA953246, AI041690, AA065130, AA716632, AA569580, AI970871, AA027942, AA782744, AA971152, AA621469, N57486, AI332533, AA693418, AI240615, AI755001, AI092127, AI869057, AI217065, BE769303, W67470, AI491829, AA082338, AW393728, AA693916, AI282280, AI640197, F08289, AI129702, AW582744, W04784, R02486, AA043484, N39494, AW393723, AA297541, AI350453, W42930, N75482, N47632, W32485, R27136, AI274641, BE818086, BF038480, R40950, W05292, AA903449, Z41300, AA329606, BF592075, BE348686, AI383010, AA034469, R13439, AV749566, R26770, AA773671, AW779291, BE179292, AW393730, R26780, AA595506, R02379, N53823, AA365217, R26900, R25976, N52700, R25966, BF989312, AW885484, H24486, N75332, BE938236, BF373294, BE868728, BF832657, AW883620, AV734107, AL036403, D79864, BE764813, BG003969, AX015418, AR085071, AL137638, U69263, U69262, and

HFVHY57	947	668240	1 - 1767	15 - 1781	<p>A27272.</p> <p>AL527943, AI859873, AI983267, BF527837, AW084752, BE379489, BF966607, BF968196, BF346286, BE408031, BF969181, BE646637, BF663439, AI937146, AW269842, BE559693, BE378866, AI636312, BF966543, AW029506, BG253686, BE274313, AI825900, BG253907, AI480004, AW270025, AI690435, AI570528, BF343665, BF527783, AW117475, BE395472, AW368998, BE042796, BG180529, AI042400, AW269845, BE407139, BE396100, BG179461, BF032943, BG105433, AA578644, AA564672, BE869658, BG258589, AW131466, AA044734, AW090712, AA599800, BE384403, BE731264, AA446169, BE744757, AA044771, BF984013, AA461178, AI635620, AA514677, BG180310, BF035169, AA173605, BE386154, AW966012, AA443677, BG035902, AI142124, BG111985, BE548239, BF345094, AA460399, AA428883, AA864260, W81179, AA633023, BE547951, BE395184, BG180094, BF879756, AA461353, BE785225, BF196985, BF879794, AA205705, AA402421, BE792975, AI564370, AA429050, W37404, AI810147, AA325968, Z98487, AW369021, AI952017, AA835658, AW015114, AI076439, AW629544, AI937730, AA205653, BE408666, BF739996, AV747536, AW194284, Z98488, BE730238, AA668461, W81180, BE393825, AA351177, AA039954, BE222741, AI969418, N23409, AA447064, AI630732, AI079682, BE888557, AI263851, AI359382, AA402594, AW995937, AA617632, BE615693, T31122, BE396188, BF026949, W37405, BE301739, AI989457, H23697, R51671, AA150305, AI619836, AW794833, BE174030, AA508126, AI369376, AI341929, AI174344, AA677288, AW161955, AW089344, W32144, AA325344, AA617922, AA706091, AA071394, AI640430, AA223137, N49336, AA565119, AW903285, AI753022, H30742, BF953712, BE005888, BE793769, BE794790, BF590679, AI802564, AA666053, AA152304, AA503250, AA962225, AA434177, W81163, AA885005, T29269, AI300060, BE702686, R88568, BE702681, AW904934, AA223326, H43925, AA460336, AA535852, AA559164, AA314898, H40008, H39579, BF215656, T86570, R51583, BE836057, BF737685, AA035162, T07731, BF999695, AW972183, H30826, W31715, AW841019, AA216532, AA322419, AA040006, BF306540, BF344861, AA551193, AA909212, BE615528, BE734116, H00511, R01065, T81707, BF879864, AA130856, T86748, BE836058, T65293, AA130850, R01791, AI653234, BF908578, BE791887, N35196, H00462, AA402595, T92844, R85416, BE734622,</p>
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HFVIC33	948	799524	1 - 2137	15 - 2151	AL537530, BE781682, BF795040, BG260472, AV659204, AV729548, AI480377, AW959985, BF691234, BE896631, BG164625, BG164528, AI807748, BF966883, AV652794, BF671950, BF795640, BF970073, BG252996, BE889195, AV720297, BG104774, AW772355, AI018612, BF240903, BE567091, AW957543, AV658474, BF243219, AW614429, AW951261, BF245573, BE893510, AI809957, BF790241, AI653144, AA599503, AI935034, BE048844, AU144039, AW966173, BF107546, AW963648, AA749197, AA806744, AW118943, AA165434, BE326915, BF573250, AA165435, BF055373, AI831713, AW612320, AW151823, AW402199, BE568631, AW168945, AI091546, AI126377, AW196694, AI913621, AI637894, AI126385, AW274249, BF571917, AA278205, N30857, AL534293, AI090502, AA316489, AI150166, BE869251, BF687642, AI693933, BF246053, BF966227, AI890335, AA193186, AA193185, AI199908, BF594587, W94775, AI379316, BF107210, AI554155, AW294126, N90509, AA478674, H94023, AA828459, AI751681, N41385, N25802, AA456732, AA830676, BE813719, AI911141, AA814674, AI188385, AI984395, W95280, AA232918, BF698308, AV659123, AA813896, AA976149, AA173573, BF431388, AA516002, AW956764, AA173464, AV645599, AI051758, BE277482, AW263465, AV719420, R65792, BF985816, R76680, AA173532, R76354, BE774528, BE774589, AA448079, BE246884, AA488083, AA360002, AI208162, AW020770, R65887, AA860433, AA487749, AI290535, AA455175, AA642382, AI436317, BF130658, AI695653, AI355349, R69310, N55978, AI263401, AW019892, AW021264, H38130, AW614719, AI278208, AI263409, AI332516, AA353820, AI417608, AW020399, W20156, AI272335, R63860, AI264027, R63861, AA193184, AA857629, BF985815, T94226, R25121, AI474726, AA664917, AI751680, R25122, T94135, AA385321, AV685642, AW370815, AV695312, AV683423, H85770, AA384109, R69311, AA983311, N36544, AA447580, AA372912, AA228110, AA365278, AA214243, BE768171, AA228018, BF673170, AA848085, AW370814, N36567, BF755066,

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HFXAK32	949	638319	1 - 1815	15 - 1829	AI291718, BE699807, AI751557, R55888, R52001, H65731, T55784, H65732, AU118872, AV692983, T79985, AB001103, U59288, U59289, AL021154, AC010219, AL353748, AL135841, AL034429, AL117336, AL163249, Z93016, AC008008, AC008812, AC002350, AP001727, AC006948, AC011444, AC026165, AC006509, AC012320, AC012320, AC009119, and AC009119.
HFXAK59	950	831141	1 - 1567	15 - 1581	AW007683, BG031060, BE909849, BE883967, AW007688, BF666656, AW270557, BF056179, AI684083, BE858185, AI342393, BG149449, AI422174, AW000846, AA868851, AI284172, AI127472, AI660356, BE079717, BE566922, AA625440, AA648497, AI359618, BE885323, AI056219, AI052453, AI076657, BE812319, AW771357, AI078528, AA149565, AW512740, AI624932, AA305415, AA626185, AI560222, BE812221, AA213752, AA164473, AW966403, AA593394, AI292310, AA251766, W80427, AA169121, AA151645, W80761, W80850, BE172424, AA879218, W80557, AL529242, BF935231, AA832190, AA663292, AL529243, AA506885, AA169366, BE925927, BE274374, AA383427, BE645462, AW803042, BE939365, AI057371, AW886478, BE299307, AA661682, AW999159, BF816891, BF920681, BG010137, BF927251, BF361060, BG010139, BG004980, AW886477, AA171654, BE183451, AI143295, BE142714, AV699218, AW952432, AV662257, AV725496, AV662242, AV650031, AB033092, AC005539, AF086450, AL161954, and L27850.
HFXBI64	951	567419	1 - 1249	15 - 1263	AV760934, AV755065, AA187939, T47177, AA406427, AC022534, AL158201, AF152363, AP000261, AP000035, AP000100, AP001713, AL138889, AC006039, AC008482, AF048727, AC018752, AL162742, AC006150, AF235098, AC021752, AC009039, AK021423, AK025451, AC022407, AL035451, AL445984, AL139001, AC004381, AL121877, AL163853, AL355481, AL133408, AL008706, AL136358, AC004696, AL139824, Z84481, AC017087, AL121578, AC005014, AC012078, AC006475, AL353811, AF129077, AC009505, AF165147, AL163247, AC005774, AL354696, AL136362, AC018731, AL034548, AP001747, AC006458, AP001625, AP001626, AL022574, AC005341, AL139327, and AC011966.
HFXBL05	952	740753	1 - 1333	15 - 1347	AL045306, AA400002, BF769491, BF769486, BF895045, AA401433, BE967644, AI333197,

					AW104957, AA044268, AI191898, F02965, R43199, R51890, F08892, AA861744, AA044168, Z43657, R20141, F05969, BE843275, F11229, F02214, BE937755, AC027066, AC027066, AC023152, and AC023152.
HFXBM52	953	737672	1 - 1263	15 - 1277	AI078409, BF674256, AV708876, AA836811, BG029528, AA515048, AA535937, AW502796, AC011479, AC004584, AC020904, AL136300, AC008760, AP001711, AL096701, AC011533, AL136971, AC011895, AC004876, AC018712, AL031283, AL031311, AP001610, AL352979, AC020917, AL122125, AP000252, AC008372, AC005412, AL137073, AC002404, AC010203, AL162430, AC005488, AP000134, AP000212, AC004134, AC004865, AC005829, AF031078, AC025594, AL049776, AC011491, AF030876, AL049569, AC027319, AC006101, AC008806, AL133228, AL353777, AL353653, AL391114, AC005102, AL022320, Z98752, AL035587, AP000502, AC002425, AC006345, AC004383, AL033529, AL353748, AC005236, AC027644, AL158830, AC005527, AL022165, AC002115, AC004686, AL009181, AC008403, AF064861, AC005231, AL096791, AC002301, Z98743, AL035086, AL121771, AC008745, AP001746, AC004840, AC010605, AL139343, AL133448, AL021155, AF001548, AC009756, AC002477, AF207550, AL080274, AL034548, AC005089, AC003108, AC007249, AF139813, AP001725, AL117382, AC005086, AL139353, AL163285, AC005180, AL033521, AC022436, AC008752, AL163201, AC005332, AC011514, AL022328, AC002492, AL117258, AC004882, AL024507, AC005911, AC009116, AL096814, AC006001, AC005952, AL031984, AP001752, AC007637, AL031289, AC024075, AP001726, AC004596, AC007366, AC073316, AP000553, AC005522, AC008623, AC005529, Z98044, AL031733, AC004034, AC011444, AP000111, AP000043, Z84466, AC007386, AF196779, AF053356, AC004965, AC011449, AL031985, AC007842, Z95115, AL078638, AC005756, AL031584, AC003666, AC005399, AC008521, AC002394, AC010618, AC006544, AC006130, AC018639, AL021391, AC020906, U95742, AC007014, AL050335, AC002119, AF024534, AC006241, AC025593, AC011465, AC007773, AL023881, AC006449, AC002288, AL080243, AC007405, AC007371, AC004967, AL450226, AC006483, AC003070, AL139150, AL133445, AL136097, AL163279, AL121585, AC004813, AL050318, AC002073, AC005971, AF047825, AF156673,

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HFXBR58	954	655949	1 - 1442	15 - 1456	
HFXBV67	955	748230	1 - 1714	15 - 1728	BF989441, BF873048, BF873055, AL532687, AL121240, BG035655, AA713837, AC006384, AC053513, AL031965, AC004147, AL157827, AC006984, AL133480, AL163248, AF227510, AC006972, AL359846, AC007102, AF117829, AL132668, AL008635, AL137013, AL161621, AC007488, AL109921, AC003083, AL008629, AP001671, AC008436, AC010348, AC069275, AL133261, AC005245, AL136128, AC018664, AC000356, AL157360, AL445195, AL109800, AC020943, AL138876, AL390027, AL136992, AL160211, AC017089, AF015720, AJ229041, AC008685, AC010132, AC078833, AC008083, AL023877, AL133396, AL158093, AC004242, AL096827, AL365335, AF240786, AP000351, AL121865, AC018765, Z84718, AC016955, AL049589, AC083861, AL354750, AC006515, AL132994, AL353132, AL122016, AC046130, AC009721, AL049871, AC008156, AC009949, AL034402, AL133286, AL133326, AL022719, AL359534, AL139382, AL049745, AL137160, AL163246, AP000432, AL035079, AC016617, AL035424, AP000745, AC073486, AJ006995, AL355052, AL035563, AC008170, AL133241, AP001670, AC023472, AC018832, AL136315, AC008162, AP001727, AC005181, AC007156, AC008833, AC008550, AL035604, AC021092, AC000114, AL133406, AC009510, AL020989, AC007163, AL049839, AL132990, Z78021, Z95327, AC022201, AC005539, U73509, AC000403, AL139095, AC004704, AL353614, AC005999, AL080284, AC005039, AL035454, AP000008, AP001435, AP000704, AC002526, AL022160, AF201337, AC007563, AF114156, AC007437, AC068974, and AC068974.
HFXBY20	956	603523	1 - 484	15 - 498	AA078411, and AC005522.

HFXCB70	957	603524	1 - 488	15 - 502	AI340792, AL160288, and AL158165.
HFXCI42	958	606806	1 - 1085	15 - 1099	BF754268, AA807745, BE048046, M78419, AI039161, BE206718, AL163280, AP000081, AC005157, AP000402, AL022164, AP001691, AF260225, AP000036, AL121852, AP000099, AC000004, Z73416, AC073130, AC020912, AL159970, AL160031, AC006992, AL356311, AC005152, AC004501, AL031311, AL020989, AC005699, AL390056, Z82198, AC005378, AC006305, AP000494, AL160253, AC017047, AL136501, AC007422, AL022329, AC018728, AC002990, AL365214, AC024083, Z86064, AC012611, AL391384, AL137100, AC008372, AL391869, AC020647, AF178650, Y10196, AC009600, AC002302, AL356782, AC007619, AL096803, AC008639, AC004815, AP001712, AC005531, AC004139, AC010854, AC004699, AC004609, AK022256, AL353605, AL121932, Z69734, AF265340, AJ229042, AC005878, AL356137, AP000466, AL354872, AC006368, AL138956, AL139824, AC005994, AC025809, AL121984, AL121963, Z93931, AC027279, AC007911, AC006377, AC009302, AL031431, AC002288, AC010972, AC008276, AC005723, AC004947, AC005572, AC021037, AC011248, AL132642, AL161657, AP000271, AL031733, AC068711, and AC068711.
HFXCL59	959	825713	1 - 1743	15 - 1757	BG168789, AI640519, BG025178, AA074939, AI470934, AA236647, X85715, BF327264, N87150, BE095168, AV699204, AL163279, and AK002177.
HFXCM22	960	589953	1 - 1312	15 - 1326	BG007627, BF366019, BF366011, BF366014, BF366012, AC005325, AC005325, and AC007431.
HFXCN18	961	581057	1 - 1223	15 - 1237	C15685, BF879678, BF436023, AI299358, AL041562, BE671252, R89180, AL036881, T02846, BE379085, AA843874, AA702308, BF875698, AA985136, AA805240, AA809663, AW183464, AU118990, H63852, AW166737, T47587, AW380579, BF935428, BF851009, AV756239, AL041521, AL516959, AA773359, AA594892, H61159, AI761656, H54493, AU146079, AW874038, AI494239, AW852027, AW838715, BE867935, AA007671, BF764614, M85355, AA636049, AA993226, AI524521, AA506171, AA581433, AA888161, AW264568, AA292582, AI095771, BF057316, C16629, AI922171, H62066, AI445677, AA524883, BF346542, AW994225, AW469195, BF732409, BF793196, AA152017, AA152091, BF842329, AI983921, AI240605, AI830346, AV686530, AA810895, BF876500, AU126821, AA879265, AI373103, AI334099, Z19142, AW768511, AW242735, AL043039, AI087235, AU150602, AA317710, BE143557, AI301451, AU145663, AV729637, AA403081,

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HFXCS53	962	828903	1 - 1113	15 - 1127	<p>AU139728, BE731779, AL531040, BE408084, BE251297, BG248485, BE254217, BE409377, BF979449, BE387284, BE897877, BE251630, BF679842, BG015177, AI928962, AA313547, BE250909, BF797656, AA369919, AU127676, BF086881, AW675069, AU130281, AU136976, N75228, BE257623, BE148645,</p>

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HFXDB37	963	569805	1 - 1377	15 - 1391	AC018764, AC006953, AL137069, and AL137069.
HFXDI32	964	580193	1 - 1842	15 - 1856	AL392185, AC011845, and AL355536.
HFXDJ43	965	560641	1 - 1544	15 - 1558	AV699147, AV699137, AV699246, AC021339, and AC018604.
HFXDL76	966	821571	1 - 1844	15 - 1858	AI114873, BF947415, AW796558, AA378110, AI350172, AW905186, AI018020, AU157357, AI016561, AC006017, AL353133, AC005613, AL160401, AL022146, AC002386, AC010979, AC010235, AP002022, AP002023, AL121949, AC012150, Z99297, AL031668, AC022203, AC010726, AL136180, AL365367, AC013737, AL390121, AC007649, AL079341, AC017020, AC018359, AC007317, AC009318, AC017016, AL022143, AL159986, AL159977, AC006998, Z68289, AL391358, AC008736, AL121879, Z93019, AC010723, Z84477, Z69724, AC007972, AC010389, AC006370, AC004534, AC023344, AC003087, AC001178, AF244132, AC060232, AL161730, AC035147, Z84475, AC005319, AC010135, AC011749, AL121969, AL034371, AC013406, AC010080, AF222856, AX033939, AC010154, AF222854, AX033938, AC009239, AC004006, AF042484, AC007284, AC006320, AF222855, AL355530, AL031679, AC017019, AC007444, AC010104, AC007042, AC003983, AL035086, AC007967, AC004253, AL121963, AC022517, AC008982, AC010153, AC016728, AC006366, AC025735, AC006983, AC006338, AC010088, AC068719, AC016698, AL031274, AC006386, A60172, AL034375, AC009233, AC010879, AL031388, Z97198, AC078847, AC004617, AL136531, AP002026, AC083860, AC003682, AC003001, Z82216, AC007744, AL133319, Z82203, AL157756, Z97181, AC009530, AL356787, AL358293, AL390759, AC002463, AL160053, AC004470, AC003969, AC024600, AL121654, AC008772, AC002524, AC006367, AL031650, AL031285, AC002123, AL008710, AC008109, AC006017, and AC006017.
HFXDM75	967	638171	1 - 1746	15 - 1760	BE092468.
HFXDO18	968	638172	1 - 574	15 - 588	BF959048, BF959331, BF959346, BF960991, AL137125, and AL356584.
HFXDP44	969	590269	1 - 1439	15 - 1453	AV761689, BF346320, AL138254, AV709806, BF828714, AI679002, AL042906, AW188427, BF826830, AW131249, AL135377, AL138265, BE897079, AA613954, BG260565, BF816106, AA515250, AI457389, AW962035, AA613257, AL042905, AU147226, AA577824, BG056362, AV761286, AL044489, AL046746, AW089861, AU148047, AV764490,

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HFXDR08	970	621342	1 - 761	15 - 775	BF353528, BE168995, R75771, AI830390, AI619997, AI252554, AI446464, AI017024, BF854876, AV763354, AI358571, BF872655, BE243412, F37169, AI471462, AI499134, AI921476, F23205, AW338086, AV710066, AW302450, AI286356, BE327924, AA557686, AA177061, AA886584, AW504326, AI628288, AW833903, AV761925, AW168342, BF887156, AA483034, AA340747, T08638, BG007652, AV764241, AI439360, AW833898, AW504669, AA365302, AI370878, AV763714, AI064864, AI654746, AI590689, AI590958, AW272758, AA626404, BE003190, AA364456, AA349366, AW498486, AA491762, AW820914, AW021583, T40077, AV762098, N41375, BE327091, AA664899, T06783, AW872601, AW088224, T07623, F25867, AA503473, AI287451, N29941, AI251021, AI049649, BF592200, BF759504, H02631, BF196738, AA657533, W79504, AW835607, AW022379,

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HFXDR28	971	621300	1 - 810	15 - 824	AA258852, BF751949, AW193265, AL045077, BF475757, AI350211, AW338021, AI431303, F02412, AI619997, BF925233, AI688846, AI814735, AI754658, AV710066, AI591118, AI962050, AW438643, BF526831, AV760774, AI061313, AV764307, AU144917, AW193432, AV759382, AI061334, AI627917, AW238341, AA649642, AW261871, AW513015, AI345654, AI472453, AW975425, AI623764, AV728425, AI289067, AI347810, BF241967, AI720141, AI934307, AP000359, AC011470, AL049766, AC002395, AC005694, AP000212, AP000134, AF205588, AC005527, AP001711, U91322, AC006050, AC011504, AP000030, AC005529, AP000251, AL022323, AC004971, U18398, U57005, AL158091, AP001728, AC005995, AC007285, AL133174, U85195, AC008124, AC008050, AE000658, AL121891, AL132639, AL080242, AC005089, Z93016, AL035681, AL163248, AC005037, AC015651, AC005291, AC011811, AC002350, U96629, AL049759, AC004895, AC007956, AC010363, AC008115, AC011495, U18392, AC005282, AC006312, AC005914, AC008379, AC008265, X55931, X54176, U57008, AP001717, AC011480, X55926, U57009, AF053356, X54180, U18391, U57006, U18394, X55925, U18390, X55932, AC004858, Z97987, AL135787, AC005840, U57007, AL117381, AL023807, AL096773, AC027319, AL035450, AC008745, AL132825, AL096701, AC006328, AL021707, AC005087, AC008764, AC002531,

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HFXDR28	972	873859	1 - 1284	15 - 1298	AL525841, AL523788, AL530205, AL528084, AL530647, AI741904, AW246206, AW249939, AA631248, AI262225, AI076571, AI379987, BF760075, BE791843, AA747742, AW182741, BE791484, AI039409, BE797194, BE304619, BG008706, AI266555, AI470348, R08484, AA316496, BE246277, BE243727, AA034425, AL528085, BE896428, AA628030, BF837752, BE243741, AL530648, AA053916, BE273715, BG111251, AL530206, AK026518, and AC023133.
HFXDR47	973	846477	1 - 1794	15 - 1808	AU122654, AW130302, AI438933, AW974090, BF330789, R54685, R54684, AW177869, BE140949, AI791659, AA676592, AA493546, AA425283, AV683406, F17895, BE043339, AA533660, BE328286, AI061313, AA693484, AW020094, AA393767, AW021399, AI049643, R23873, BG152746, AA493245, AW474825, AV695953, BE182951, AI174703, AW238242, AA527633, AA515924, AW089625, AI753887, AI797998,

					AW169183, AW238712, AL117348, AB007958, AK022465, AC021752, AL035423, AL136218, AL031735, AL158141, AL133230, AL080242, U91328, AC018755, AC005519, AL117380, AR036572, AL033529, AC007619, AC007285, Z86061, Z93015, AF130343, AC008166, AL161731, AC006948, AL139383, AL161781, AL354948, AF243527, AL021395, AC016637, AC018719, AC004890, AL157789, AC022402, AL133232, AL139100, AL035400, AC019106, AC003982, AL049780, AF111169, AC018646, Z82206, AL136231, AL354680, AL158040, AP000173, AC013434, AL035555, AL031664, Z98946, AP000008, AC006487, AC005069, AC004820, AP000704, AP001695, AC006367, AC004863, AP000030, AP001728, AC016543, AL121899, AP001671, AC005921, AF001550, AC011473, AC006449, AC007688, AC008041, AL022316, AP001727, AP001705, Z98752, AB023048, AL139318, AC073539, AL158824, AC003108, AC011811, AC016594, AC005913, AC012627, AC006480, AL050308, AC004448, AC002350, AL049868, AC007021, AP001717, AJ003147, AL121652, AC007364, AL035450, AP001721, Z82194, AC011514, AL137022, AC004031, AC007066, AL135978, AC020754, AL365445, AC021999, AC005516, AL136168, AC027319, AC007541, AC008551, AL355392, AL109758, AP001601, Z83846, AC005091, AC007542, AP001753, AC005608, AL355497, AC026888, AC007739, AC007637, AL133269, AL118499, AC011495, Z93244, AC004762, AC018758, AL096791, AC007057, AC009428, AC008950, AL121586, Z98950, AC025430, AC008784, AC004813, AC005387, AC004500, AL132775, AC007956, AC000117, AC005235, AC020916, AL096703, Z97054, AL049569, AC002044, Z81357, AC007679, AL023805, AC004983, AC004253, AB001523, Z84466, AC022148, AC005695, AL356299, AL078638, AL356414, Y10196, AL049538, AC009181, AL031657, AD000092, AC004662, AC016602, AC004263, AC025594, AL355821, U80460, AC083871, AC010458, AC007012, AC016995, AL355815, AC005821, AC024085, AL021808, AL024497, AC004185, AL049776, AL022394, AC007191, AL033392, AL139120, AL023284, AL049795, AC006026, AL096701, AC008752, AC010150, AL109865, AC008567, AL133332, AP001714, AL096840, AL049748, AP001707, AC004801, AC058782, AC058782, AL117348, AL117348, and AL117348.
HFXDZ03	974	846323	1 - 1335	15 - 1349	BF980385, BF980158, BF930735, BE156613,

					BF764484, AW089266, BF445223, BF996729, AL035552, AL096763, AC068999, AC009332, AC009264, AL390997, AC009049, AC007075, X97051, AL023804, AB019441, AL035414, AL138809, AC008806, AL359458, AP000221, AL049781, AP000085, Z68332, AL136444, AL049714, AC002369, AL132875, AC005250, AL365400, AL121970, AC004478, AL360270, AP001669, AJ271735, AC083866, AL080315, AP001693, Z73967, AC016622, AC009318, AC010081, AL121869, AL139340, AC008833, AC007458, AL022576, AC005307, AC007751, AL035087, AC006052, AL450483, AC073881, AL136218, AC010854, AC018452, AL137918, AL139150, AL356137, AC011088, AC025577, AC006397, AL391833, AC008905, AC003988, AL024497, AC004063, AL033397, AF297093, AC008865, AC006313, AC025226, AC010685, AC025765, AL133390, AL133249, AL049562, AB045357, AC006975, AC004762, AC007786, AP000457, AC004129, AP002532, AC005539, and AC022324.
HFXED33	975	823197	1 - 1939	15 - 1953	AV699098, AV699182, AV662242, AV699223, AV699247, AV662272, AV699250, AV662248, AV699123, AW963961, AV645788, AV699203, AV662247, AV662223, AV662257, AV699170, AV720500, AV699136, AV699125, AV699199, AV699118, AV654326, AV662167, AI557018, AV699167, AV699153, BG141322, AV662149, AV699197, AV718896, AV719551, AV699139, AL080315, AR092424, AR070327, AR001481, AL359824, AL359827, and AL080315.
HFXEE88	976	838822	1 - 1618	15 - 1632	AW104739, BE769411, U80017, AL031666, AC011460, AC004149, AC004694, AL356778, and AL356778.
HFXGR32	977	534607	1 - 1349	15 - 1363	AW502949, AI570943, AA262752, AA779783, BF991881, R92640, AA219098, BF991882, AW408063, AI862716, AA526193, AI978712, BF057326, AW275719, BF026590, AI377413, R98967, AW977608, AI580707, BE676754, BE079466, AW965157, BE079585, AW769291, AI028510, AW157005, AW972802, BE302658, AW472872, AA992126, AW472847, AW576211, AI216998, BE182951, T40848, AI929796, AV764104, AI471691, AA635433, AL133950, AA657835, AW193493, BG060107, AA302970, H79308, AL009174, Z85987, AC083866, AP001435, AP000704, AC005988, AP001727, AL442167, AL163285, AL133380, AL031390, AC011450, AC005598, AL132794, AP000243, AP001709, AP000203, AC007400, AC009154, AC004518, AC007365, AC008795,

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HFXGT51	978	638174	1 - 1288	15 - 1302	BG179552, BG178837, BG177982, AA599080, AW304699, AA904211,

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HFXGW16	979	825701	1 - 1216	15 - 1230	BG141322, AV648653, AI557018, AV650903, AV727824, AV662196, AV699236, AV699250, AV662248, AV699144, AV699219, AV699200, AV699247, AV699182, AV699224, AV662272, AV662167, AV653163, AV699223, AV645788, L27850, and AL133538.
HFXHC15	980	608243	1 - 347	15 - 361	
HFXHI33	981	874255	1 - 1589	15 - 1603	AU120416, AA604995, AA857812, AV695478, AW026305, AI421950, AI499094, AW516301, AV743462, AA713705, BF816967, AA916430, AI890324, AA491955, AW084445, AA169245, AA443390, AA599080, AI282479, AI419337, AA995373, AI361090, N40092, BE744242, R89525, AW167154, AI590404, AL096821, AC004824, AC006457, AL109921, AL133448, AC011559, AC005519, AC011514, AC002470, Y14768, AC018719, AC002425, AP000505, AL353701, AC010605, AF196779, AP001718, AC011473, AC008569, AL022476, AL356379, AC007055, AC022436, AC009060, AC005841, Z93930, AL031848, AL136295, AC008753, AL138756, AL050348, AC007957, AF002223, AL121658, AC004867, AC006538, AC004971, AL117186, AC004181, AP000152, AL033529, AL133289, AL136981, AC018751, AC011479, AC018663, AC004878, AL022238, AC005015, AC018720, AL159997, AC005480, AL050335, AC005071, U96629, AC010422, AC004821, AF196969, AL445248, AL034380, AL109627, AL157756, AC008752, AC009228, AC006329, AC003007, AC008521, AP001610, AC009331, AC008745, AC005632, AC005736, AP000501, AC005037, AP000558, AC006079, AC005081, AL163285, AC005666, AL133288, AC007850, AC002301, AC011895, AC005726, AC053467, AL035659, AC020913, AC018682, AC007731, AB016897, AC010618, AC005500, AC005484, AL109798, AC022392, AC016025, AC019171, AC011455, AL035079, AL137073, AC005778, AP001695, AC011811, AC012442, AL353812, AC008482, AC005703, Z95152, AC011442, L44140, AC008134, AP000359, AC005236, AL109743, AC006511, AC003080, AL021154,

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HFXHL21	982	581363	1 - 1633	15 - 1647	AI357976, AA665645, AW732188, AU158326, AA653612, AW576389, AA862227, AA501614, AV761719, AA601680, AI246567, AA532594, AV759337, BE139358, AI288700, AC017006, AC006312, AC074338, AC022816, AL008629, AC027319, AL132639, AL138836, Z94801,

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HFXHL83	983	564658	1 - 1483	15 - 1497	AV652810, AV662247, AV699269, AW967166, AV719565, AV699203, AR001481, and AL357568.
HFXHM49	984	825693	1 - 1552	15 - 1566	AV653163, AV662272, AV699182, AV727824, BG141322, AV699098, AI557018, AV699223, and AV645788.
HFXHM93	985	858720	1 - 1768	15 - 1782	AI017251, AA559166, BF845126, AA579427, AV763550, AA704393, AI499954, AA650447, AI336637, AI272649, BF805088, AI114733, AI133552, BF917346, BG059972, AW873261, AV729669, AV761081, AW969743, AI343144, AV763026, AV763058, AV754399, AV762430, BF724838, AA904211, AV761189, AA713724, AW504224, AI619742, BE178489, AI282629, AF067845, AL117329, AC005744, AL138787, AC000038, AC000046, AF029308, AC006362, AL032821, AP001759, AC010134, AC007022, AL137145, AL121757, AC006965, AC007619, AL139109, Z99716, Z98946, AL008725, AL139377, AC004849, AL133480, AF117829, AC018647, AC007376, AC007011, AJ277546, AL137191, AL359846, AC025442, AC083875, AB003151, AP001751, AC011450, Z93784, AC008812,

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HFXHN89	986	786196	1 - 1392	15 - 1406	AA533333, AA581903, AA631507, AI254615, AW407578, AI076616, AV755677, BE393367, AW168433, AV755070,

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HFXJB21	987	743165	1 - 1297	15 - 1311	H65086, H65132, BF725844, AW023111, AW805539, H73550, AL037714, BF854308, AA912287, H07953, T74524, AW805547, BF691892, AW438542, AI358712, AV763026, AV763058, AI613389, AW407578, AW973992, AI054030, BE142845, AI054419, AA704101, AL038936, AA829036, AW301771, AW029515, AI792578, AI380617, AW979191, AI687343, AW833047, BF678990, AW873261, BE968744, AI801482, AI445934, AV709273, AV757289, AL138996, Z83840, AK024201, AC005821, AC007842, AC007938, AL121653, AC007597, AL118502, AL138735, AC009228, AC006115, Z98941, AL136170, AC007298, AC004099, AC007055, U91318, AC008745, U62293, AC002350, Z94056, AL162742, AL132639, AC004841, AC011469, AC005081, AC011239, AC009032, AB020878, AC011480, AC007488, AF001549, AL139041, AL353812, AL121900, AP000345, AL031659, AL035698, AL136305, AP001328, AC002044, AC011464, AC005052, AC005088, AL031588, AP001670, AL021546, AC007637, AL049712, Z98946, AC004656, Z97632, AL049538, AP001715, AC004832, AC007114, AC011479, AL121586, AC010083, AC006538, AP001714, AL139092, AL121908, AL136131, AC008753, AC004765, AL049829, AL135928, AC002115, AX037570, Z93848, AL031594, AP001718, AL391839, AC007388, AC005015, AC002316, AC002306, AF030453, AC005057, AC002314, AC005730, AL021154, AC004792, AL133396, AL096763, AF111169, AL049780, AC008083, AF107885, AC006285, AL034451, AL009181, AL355531, AC006305, AC002365, AC010582, AL121983, AL109823, AF111168, AC011497, AL035697, AC006230, AP001694, AL031683, AC009953, AC008064, AC006480, AC004593, AL133232, AL136304, AL136094, AC006071, AC003678, Z83847, AC005726, AP001725, AL138707, AL024498, D87675, AC004771, AJ295844, Y14768, AC006531, AC016025, AL049539, AL035684, AL008627, AL031005, AC008760, AC004867, AF165926, AL162584, AL117381, AC005209, AC004791, AC007191, AC026770, AC006088, AP000553, AC018758, AC011450, AP000128, AP000206, AL357752, AF134726, AL121897, AC011445, AP001684, AC010267, AP000113, AP000045, AL034554, L44140, AL109618, AC008806, AL034380, AL035071, AC007308, AC008651, AC009509, AC005072, U91321, AC006449, AC006312, AL138836, AL031654, AJ289880, AC010748, AL035695, AC004554, AP000503, AC024563, AL353574, AC008403, AC009060, AC004890, AC006952,
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HFXJN93	988	596815	1 - 1728	15 - 1742	BF967273, AV721288, Z30067, T74524, AW851405, AI609972, AI755214, AW500684, AI754567, H07953, AI754105, AW576251, BE139139, AI250552, AI284543, AI061313, AI254770, AA640430, AI251284, AI251034, AI251203, AA829036, AA640410, BE138387, AI962030, AW850230, AI440117, AW237905, AW303098, AV730824, AI884522, AA572813, AA704393, AV760508, BE138594, AW023111, BF526964, BF923365, AI620992, AW835445, AW974932, AV760915, AV756491, AW265359, AA630854, AW468009, BE017992, BF821897, AA635433, BG059972, AI251576, AW467607, AI267356, AL079734, AW873261, AW855643, AA535216, AL037714, AI469140, BE150796, AI358384, AW514006, AA584484, AA420546, AI249853, AA557982, AW958962, AW272294, AA225406, AA084609, AI583466, T71936, AA558404, AC019046, AC005291, AL109825, AL031276, AC002531, AC007850, AC006019, AL121893, AL159977, AC006450, AL353811, AL365505, AC008551, AL035683, AC006285, AL139123, AC016027, AL080243, AC016830, Z81359, AL034549, AP001670, AL049796, AL049747, AC011462, Z98749, Z95113, AL117334, AL121977, AC000134, AC018663, AC000115, AL049569, AC000025, AC009946, AL035669, AC002310, AC002352, AP001709, AL121949, AC004991, AC004966, AL121891, AF003529, U91323, AL133415, AC005274, AC004167, AC020955, AL009174, AC002126, AL021154, AL136980, AC005288, AC010358, AL133387, AC010422, AC004859, AC005932, AL121658, AL031658, AP001720, AL137143, AL136162, AF139813, AC004970, AC007041, Z97632, AC004983, AL139092, AP001727, AC004914, AF255613, AL355497, I34294, AP000555, AL022721, AL138759, AL117351,

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HFXJS15	989	800866	1 - 1863	15 - 1877	<p>AW975840, AI344191, AW957867, AW957790, BE844079, AA612685, AI635185, AA307367, AI870300, AW514984, AA976200, AA913907, W58073, AI858117, BE816094, AA149745, BE816090, BE816091, BE816089, AI608830, H10219, W57989, BE816092, AA084119, AA084204, H10275, W74717, W74683, BF814902, BE814676, T06583, AI581983, R39215, AA639622, T75351, F13666, W73548, AA666302, N48950, W73476, AA094314, AA460273, AA453154, BF327381, BF830030, AA626228, BE409684, AA249455, AA331897, AI298925, AI168541, AW294359, AW951445, AB011089, AL110234, and AB043550.</p>

HFXT53	990	823591	1 - 2999	15 - 3013	<p>AW968790, AW964255, BE157966, AA054298, AW003262, AI337069, AW999290, AI088386, AV733313, AA036920, AA491158, AV732890, AW192721, AI803838, AA036860, T95113, AA490965, AA360817, BF886359, AW994341, T95215, AA263079, AA294999, AA676995, H67065, AI587328, BF906845, BG058713, AW189843, C01138, BE157962, BE157957, AI446168, AI802555, C05883, AV707753, AV656283, AV707510, AV728715, AV708381, AV693149, AV725920, AV695545, AV702427, AW954237, AV655096, AV705684, AV709587, AV702854, AV725617, AV704042, AV728652, AV704234, AV728270, AV709256, AV727929, AV659389, AV659294, AV659322, AW951437, AV726681, AW963768, AV651955, AV656256, AV726259, AV686064, AV703456, AV660608, AV709314, AV656903, AV709604, AV661704, AV727314, AV697196, AV698609, AV708438, AV655280, AV656478, AW955012, AV660728, AV652001, AV707656, AV709660, AV703169, AV728518, AV727029, AV727787, AV686060, AV726156, AV654908, AV698545, AV691080, AV727003, AV687035, AV727526, AV708025, AV684604, AV708980, AV692691, AV708992, AV696931, AV705280, AV699089, AV725745, AV706417, AV654035, AV729220, AV696866, AV728997, AV698429, AV726816, AV692972, AV685688, AV689800, AV693005, AV687909, AV707933, AV729378, AV701914, AV705159, AV702832, AV693523, AV709407, AV725033, AV728733, AV725826, AV728471, AV725134, AW960720, AV697498, AV727238, AW960629, AV727807, AV704607, AW960201, AV728436, AV729131, AV727935, AW964409, AV709555, AV727510, AV726103, AV728523, AV727613, AW956075, AV726026, AV692600, AV726590, AW959848, AV683994, AV701067, AV709580, AV701728, AW954248, AV726505, AV709101, AW960207, AV708893, AV702385, AV709935, AV707979, AV696106, AV727103, AV701496, AW951263, AV689111, AV728157, AV659536, AW952183, AV697288, AW964410, AV692345, AW959980, AV704553, AV683443, AV706219, AV706721, AW954134, AV704955, AV652156, AV701560, AV705693, AV707541, AW949478, AV708704,</p>
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HFXKG56	991	621395	1 - 752	15 - 766	AA640637, AA720653, AW975211, AA657561, AW015577, AI637893, AI699940, AV719913, D51250, D80227, D80045, AV718707, D80240, AV718692, AV724520, D80210, AV699669, AV701443, D80193, D80391, D80043, AV718489, AV701332, AV700889, D80253, AW949645, C14429, D80522, D59619, AV719049, AV720731, AW975618, D51423, D80196, AV722801, AV719783, AV718844, AV720464, C15076, AV742996, AV701422, AV723927, AV718681, D59927, AV700229, C14014, D80219, AV699927, C14227, AV699682, AV701248, AV720812, AV723097, AW973447, D80366, D59275, AV701125, AV718800, AV742001, AV742667, AW966531, AV720203, AW978634, AV701017, AV701043, AV744773, D59787, D80134, AW966053, AV701431, C14389, AV699550, D80188, AV699447, AV742720, D80166, D58283, AV719468, AW949642, AV719000, AI557751, AW973307, D51799, AV719324, AV701154, C75259, AV719822, AV720211, AV719557, AV701151, D81030, D80195, AV699866, AV721386, AV721784, AV745080, AW959570, AW949629, AW959582, AV720150, AW949641,

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HFXXKL60	992	895307	1 - 3124	15 - 3138	BG113250, BF791544, BG254153, BE780937, BG030892, BE887355, BF666566, BG256293, BG179886, AW814884, AW811909, BG178609, BF525377, AL120438, BF696463, AW811918, AW609181, AV697336, AV717682, BF977601, AW811919, BE042557, AI921004, AW665869, AI439961, BG110329, BE567709, AL120462, AW020605, BF574535, BF247525, AA845400, AW973326, BF214379, BE327743, BF964902, AI735558, BF666079, AV712998, BF057417, N99606, BF029924, BF692502, BE886888, BF209991, AA075975, AW377662, N94920, AA913496, BF362942, AA776656, AA853938, AI538936, AI439956, AI439915, AI745155, AV727341, R80501, AA993066, AA935277, H20646, BG259089, AA312166, AW449188, AI161350, AV757976, BG120001, BE972583, W19543, AV654524, AA884866, AA280517, AA074079, N28284, AA507112, N92660, AA729426, AW268722, H20553, AI692463, AW898898, D61610, H86010, F06525, AI439955, N26361, AA328110, AA323266, BF218645, D80162, AA323025, H03623, AA371140, AI538058, N45110, AW602491, AA326633, AI885932, R80536, H60914, D80186, R36355, D81718, AA938040, R80395, AI088564, AA513966, H99238, AW367972, H60829, AA374067, R80424, AW868947, D59526, AA369346, AA360342, AV734601, BF843720, AI249944, Z39473, AA096186, BF086744, AI832915, BF246834, AA565386, AW962044, AA564714, BE147833, AC006312, AC006023, AL117328, AC007283, AC006011, AC018720, AC005667, AL021155, AL033529, AF001552, AF196969, AC008569, AL159158, AL355499, AC004167, AC008753, AC004039, AC002425, AC008745, AP001760, AL356414, AL049759, AC008392, AC007366, AC002128, AL050318, AL121752, AC011479, AL139095, AC004089, AF196972, AL022326, AL445248, AC002470, AL158196, AC005821, AC004491, AL358777, AC011450, AC005089, AC020904, AC002302, AC007193, AC005971, Z81365, AL353802, AL121920, AC005839, AL133545,

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HFXLG08	993	885514	1 - 1684	15 - 1698	AV718633, AV718938, AW962245, AW949498, AC008403, AC008569, AC011489, AC005736, AC002350, AL121952, AL022318, and AC008536.
HFXLK91	994	827288	1 - 1834	15 - 1848	BG171708, BE867741, BF216470, BF791380, AV707629, BF681182, BE276550, AW957089, BF894253, BF926529, BF244453, BF696061, BF131157, BE004431, AA644593, AA421831, AI950398, AV735049, AA137197, AI027774, AW407515, BE464069, AI925397, AW071602, AA593402, AI086982, AI701883, BF111605, BF247319, AW103906, BE019000, BF746416, AI206666, AW293667, BF746417, AI139174, BE140590, AA335638, AA322989, AA369423, AI686666, AI753707, AI624634, AI539394, AI916612, AA112479, AA137198, AI923155, BF902897, BG169985, AI634381, AI680636, AA056308, BF210167, D61833, BE000855, D61802, BF239954, AW516385, AI869511, AI470428, BF804215, AA683405, AI174442, AI349550, H86372, and AK000630.
HFXLM32	995	866446	1 - 726	15 - 740	AC025700.
HGBAX83	996	722222	1 - 1001	15 - 1015	AA622480, AA653692, AW779481, AI476274, BF663461, AA742326, AI373713, AI452527, AW874519, AA344653, AW150642, AI476273, AI274550, AI692854, AW009127, BE463772, BF002731, AI346723, AI028609, AA621699, BF431176, AI018098, AI208864, AA542891, AI218360, BG057091, AW338099, BF056546, AI913144, AW613152, BE673597, AI143645, AW194951, AI016677, AW438884, AW007652, AI653159, AI621239, AI888715, AI634113, AI824884, AI199411, AI654878, AI699354, BE502357, AI675132, BE503495, AI245283, AW196267, AA507876, AI675656, AI970882, AA992397, W74249, AW068623, AW189877, T49250, AA495892, W79800, BF568899, W26105, AA868756, F32107,

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HGBBR29	997	823106	1 - 1892	15 - 1906	AL527420, AV759529, BF793383, BG257996, AV681828, AW614651, AI984005, BG107100, BE538464, AW029508, BG260699, AW968098, BG250370, BF341426, BF034745, BE621367, BE887671, BG120465, BF213226, BE540009, AW960422, BE535752, BE621621, BG026132, BF132816, AI472265, AL527459, BG165522, BF669315, BG257188, BF219458, BG167504, AW876889, AW081614, BF670079, BE140134, AI568637, BF207658, BE886490, AW439503, BF212719, AW675668, BE140151, BG165544, AA255978, AI743638, AI862335, AA922152, BF245130, AI347016, W72484, AI459193, AI161083, AI702194, AA929057, N28562, AI077603, AA010473, AI582840, AI077599, AI150289, BE539935, BG251359, AA112285, AI215517, AA976467, AI245787, AA668988, N27568, AI753723, R17472, AW206505, AA062665, AA724422, W75942, AA700503, AA194650, AA878049, AA167618, AA167756, BG165587, H99877, N20299, AA256044, BE535571, N34775, W69116, AA233543, AA598447, BF056324, AI769333, AA903864, AW976301, BF927827, AL135540, AW104846, AA708255, AA305457, BG166199, BE815403, BE827148, AW196739, R80080, BE018475, H89552, T83401, BF812627, AI358370, AA010377, AA402440, BF667438, AI566392, BE909043, BF379910, N44501, BF742617, D53681, R68486, AW029473, BF094363, AA345352, BG115869, Z25345, R79980, F00337, N67848, AL120700, AW069744, BF809674, AW352408, N55692, AU124177, W69241, R42818, AA094220, R68485, AA094023, AW992263, BF808204, BF087922, AW841832, D79235, BE819474, BF943804, BF665593, BF669422, AA471375, BF907949, BF812638, N55853, BE243411, AA668617, D80168, D59619, C14227, D80949, AV718692, D80240, D80045, AV723927, AV718489, D80193, BE003903, D80210, D80253, AV719783, AV718844, D80043, AV720731, D80219, D51423, AV722801, AV720464, AV724520, D59927, AV699927, D80391, AV720812, AV699447, AV720203, AV744768, AV700229, C14014, AV742667, D59275, AV701043, AV720211, AV742001, AV701017, AV701431, C14389, AV719822, D80227, AV701248, AA749151, D80196, AV721784, D80366, D80195, AV699746,

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HGBDL51	998	862023	1 - 1202	15 - 1216	AW965215, N67300, N98544, AW182857, AW088510, AA345874, AI637779, AA279110, AA279377, BF694523, AA903828, AI637995, BE003289, BF351807, AC073268, AC073268, and AC073268.
HGBDV35	999	581058	1 - 1177	15 - 1191	BE748621, AV712189, BE738323, BE876745, BE738425, BE748780, BF038645, BF530829, AU137361, BF698591, BF185229, BG180639, BF669759, AV654600, BF031395, BF978671, BF674354, BF131380, BE296821, BF687866, BE737861, BF666353, BF184786, BE748073, BF691280, BF210211, BF130590, AU135092, BF212484, AV709046, AL038984, BE748483, BF245604, BF540738, BF207457, AI246503, BF667691, BF211050, BE958555, BF211332, BF701495, BF208086, BF669363, BE782017, BF030418, BE958539, BF695427, BF217468, BE566226, BG166114, BF243291, BF669848, BF238689, BF699870, BF701181, BF184311, BF698854, BF239271, BF673895, BE564955, BF700289, BF668872, BF212189, BF701094, AW960115, BE737817, BF132537, D83880, AI354442, BE875233, BF184811, BF541333,

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HGBDX28	1000	665520	1 - 1404	15 - 1418	BG253447, AI138636, BF445146, BF940004, AA630282, W72594, AA497041, AA677701, BE841636, AI291808, AI190362, AI628895, AI536706, BE048953, AI457213, AV722572, AI192929, AI745350, AW070757, BE669839, AI362325, AW470152, AA829518, BE562523, W84500, AI800724, AA121310, AV724923, AA255628, AW162987, BF478035, AA635436, AA765475, BE551660, AU150208, AW083363, BF767232, AI811328, AI362064, AI990203, AI277682, AW137605, AI093718, BE246531, AA854397, AI571499, BE254317, AI078354, BG057904, R83359, AA235732, R83795, AA256920, AA256496, N56885, AI761321, BF476089, H73879, AA010029, AA779117, W85937, N48742, AI061317, AI985236, H74074, W85936, R08825, AW188919, R08824, AA233649, AA721191, H63244, AA347589, AA721190, N70984, W84847, AI654781, AA580125, H63323, BF874340, BF433487, W01517, AW839401, AA629217, AA721317, AI825199, AK026819, AC005041, and AK022850.
HGBGX31	1001	824177	1 - 1840	15 - 1854	AI827455, AW451460, AW271709, AA045351, AA045357, W07299, AW269529, BF674581, AA088179, BF002734, AA744417, AI004344, AA045187, BF510467, AA744218, AI420964, AI742317, AI521736, AW182676, R43284, H21615, R18914, AA639631, AW590886, BF852905, AA045136, T79340, AA621101, AK024695, AC015918, AC015918, and AC015918.
HGBHE23	1002	832303	1 - 681	15 - 695	AW410782, AW955940, BF792459, AV726411, BF432662, BE857492, AI972565, AI056672, BF978843, AA778523, W60863,

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HGBHI15	1003	608170	1 - 672	15 - 686	<p>AA345020, AW865946, T74524, BG012020, AA630854, AA706495, AW302017, AI860535, AA483606, AW019964, AA570740, AC022150, AC008813, AC022137, AC011290, AP001711, AF029308, AC005071, AL031311, AC016602, AC004491, AC005740, AP001712, AC006441, AP002529, AL138752, AC007057, AC007193, AC011455, AB042031, AC007722, AC008403, AC006960, AC008738, AC006387, AL133545, AF111168, AC006064, AL031230, AL356750, AL121655, Z82206, AC002369, AL022396, AC011497, AC005529, AC006011, AC006511, AC008753, AL035249, AC002430, AL135927, AC007227, AC005229, AC000353, AC007384, AC008392, AL132639, AC006480, AL158040, AC016652, AL049870, AL356376, AC025593, AC009228, AC013734, AF030876, AC008892, AC005736, AC016898, AC004985, AC018663, AC008747, AL117381, AL031651, AL136365, AL050348, AC012442, AL136300, AL161659,</p>

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HGCMW39	1004	799530	1 - 2296	15 - 2310	AL523720, AL533048, BE792355, BE907131, BG164612, AU135204, BF525727, BE311943, BF034825, BE785731, BG180410, AU132322, BF036614, BF315009, BF527883, BF215152, BE542207, AW886514, BE878833, BE314134, W95046, AI720278, BE383430, BE834378, BE617233, BE260346, AA491099, N99156, AU153867, AI304346, BE314114, AU159569, W87778, BF027005, AI921827, AI889055, AA533075, W95047, AU153656, AA489371, AL119943, AU158444, AA716333, AI928555, AI753492, H30867, AW297248, AA489430, BE694501, AA931134, AA582897, N32959, T08534, BF244126, AI129140, W16538, BG252856, AL137989, AA780311, AI140256, AA133613, AI500251, AI937458, AA778021, AI673608, BF948366, AI090664, AA258046, R18722, AI366511, AI085336, AA350982, AI573082, AA835351, AV696692, W24163, AA860782, AA599761, R79526, W87876, AA490911, T09485, AI571750, R67331, N90105, AA412276, F30520, AI215142, T09242, AI991456, T31117, AA419056, R18254, T08319, F36883, F31638, R88019, T09486, BF948394, AI000794, T09357, R86714, AA133718, AI954335, AA046244, N42632, AW163339, H84537, AI367457, R18199, BG152574, BF948228, H16159, H41642, AI040301, BF948404, AW157285, R81637, AA234234, AI499594, W90226, BE834569, AA324055, AA775884, R21920, R49931, AI272336, H84220, R81434, AI565649, BF930099, AA765886, R49932, BF932522, AA676291, AA322262, AI753385, R66494, BF826346, R28111, R42364, H95700, BF842856, T53700, AA618526, N79553, AA618588, BE617736, BF807571, AI872067, AA873210, F35778, AA996302, F20679, R00863, W38460, R22569, AA323297, BG009406, AA046278, AW074581, AA426346, BG013419, BE048018, T35084, AV701874, BF527388, AA036673, R81101, AU140266, D20963, BG014404, BG165051, BE963560, AL036403, AW089275, AI251221, AV720959, AI568060, AL134999, BE138374, AW274318, BF752858, BG113224,

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HGLAG32	1005	668271	1 - 760	15 - 774	AI694297, AI769298, AA019929, AI954146, AI122726, AA811734, AA012878, AA868085, AI290954, AI653321, BE468137, BE468146, AI655905, AA777006, AA142969, AI990369, W92314, AI990626, N24152, AA059218, T50739, BE844138, BE844154, BF448350, AI656278, AI004884, AW090713, BF059235, BE328865, AI963894, BE550376, W26392, AI914285, BF437976, AW770721, W81609, AA969737, AI824825, BF446506, BF433019, BE673879, AA015710, AI872967, AI680938, Z21449, AW768250, AA600184, Z21159, AI814637, AI290875, BE670512, AI809385, AI809382, Z21384, AW594320, AA629594, AA580932, AA665477, AI290676, BF195290, BF185058, BF185133, AI290667, Z21172, X85617, X85621, BE327699, T18947, BF976808, AA020989, Z21186, AA430289, C20609, BE671350, AW246438, AV747742, AI214540, AC006432, AC008013, AC008013, and AC008013.
HGLAH08	1006	704084	1 - 600	15 - 614	AW138904, AA648520, W67727, AV751614, AA845447, AW780254, BE858539, H97578, AI735460, AA700588, AA173197, AA143466, AI683360, AI609605, AW514581, AI553914, AA426042, AA582850, AI361073, BE855510, AA757234, BE221276, AA830128, AW887052, AI367388, AA587480, AI457988, AA126939, N66936, AI017352, AI689366, AW006600, AI860508, AI245298, D59326, W67455, AI471199, AI718438, AL536661, AI189983, AA954621, AI767787, AA412060, AI245792, AI200305, AW517523, AA402248, AW337270, AI797440, AW955666, AA962148, AW304215, AI635986,

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HGLAH86	1007	603525	1 - 835	15 - 849	AI807570, AA179163, BG250384, AL038936, AC005035, AC006084, AL022238, AX026548, AC008569, AC020904, Z95331, AL159970, AC004953, AL035417, AC002306, AC073184, AC005043, AF199339, AC004513, AL008732, AC010505, AC011465, AC005166, AL020994, Z93023, AC002365, U91326, AC004231, AL031660, AC006165, Z98044, AC058791, AL031005, AC006014, AC012151, Z97056, AL117186, AC010458, AL133387, AB023051, AL049537, AC009542, AC007639, AC007383, AL023805, AL136529, AL109984, AL137139, AC024952, AC004125, AC004966, AC025594, AC007030, AC005049, AP000512, AL049760, AC002564, AC006483, Z94056, AC010489, AL138735, AF053356, AC013436, AC084693, AL035089, AC005035, AC005035, and AC005035.
HGLBC33	1008	701989	1 - 748	15 - 762	AV727282, AV722482, BF969759, AW149536, AW956668, AW054847, AA572765, BG057707, AW005324, AI692582, AA286937, AI912930, AW243475, AL119144, AW149820, BF920939, BF739842, AA286930, BF510278, AW298507, BE045320, AW590372, BE218393, AI198284, AI381607, AI391744, W80856, AI955033, AI005048, AA676805, AI041104, N25710, AA579474, N50850, AW613049, N98582, AA705111, AW296664, AI570816, AA398102, AV650003, AA911018, AI566335, AA804616, AV706827, N67651, AI863917, BG057914, R78290, AI374901, F08976, BG152483, AI569895, BF438945, AW337602, AA421375, R32625, R28096, R78291, T32565, AW243361, Z19718, AI863766, AA394076, AW293112, D60457, BG119578, R26267, N34100, AI572724, F13759, AA680154, N69980, R30781, AI912797, BF996854, AI217451, R25441, R32512, BG000071, BE180977, BF819828, AB007889, and A75338.
HGLBG15	1009	701990	1 - 764	15 - 778	AI377951, AA478899, AL521476, AI970420, BF571396, BF690972, AA478780, AI522149, BF571271, AA758425, AW956237, BF692249, AI954716, AW197154, BF576614, AI631753, AI829079, AI765476, H99846, AW274419, AI371713, AI951909,

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HGLBM55	1010	799531	1 - 1607	15 - 1621	AU132920, BE890285, BG105284, AL119190, AW606987, AW167942, BF211377, AA927733, AA427380, BE537705, AI284238, AI378483, AI589991, BF810049, BF810047, AU127953, BE546370, AI002485, AI270437, BE326612, AI356154, N92207, AA729541, AI310483, BF229481, BE047328, AA502358, AI017235, AA825233, AI093873, BE878455, AW999164, BF810033, N90341, AA206860, AA910613, AA972652, AA814204, N66603, AA127447, AI810950, AI093816, AA635467, BF095768, C21460, N63272, H13500, AA282611, BF735540, AI290749, AI350594, AI128217, AI681325, AI300717, BF130995, BF810050, N72294, AA780350, AV745962, Z42624, H13448, BF057651, AI269098, AW373056, AW955982, AW955977, AV745923, AA127448, AA490945, AA369320, AV745949, Z43825, F06820, BF093472, AA766547, T80459, BF939282, AA629103, AA115925, AU137945, R84767, BF229482, BG252815, BF130784, AA804970, AW974101, AA830024, BE871497, AI358601, AI432019, BF058944, BG149238, AW438904, AI333949, BF792374, AW827289, BE907203, AI471325, BE540578, AA115926, AI333104, AI538692, BF814357, AW022093, AW129433, AW151451, AW193120, AI868204, AI582871, BE393784, BG028100, AV716976, BG105895, AI929108, AI923989, AI473208, AI915795, AI287476, BE048235, BF819346, BE839731, AL039011, AI933992, AA835947, AW162194, AI859464, AL134828, AI624548, AW302988, AI678446, AV716495, BE965432, AW168875, AI340603, AW020693, AW071349, AI621341, AI564290, AI698391, AI684164, BF813177, AW020629, AI205869, AI554428, BF970481, AI927233, AW151132, BG249582, AI401697, AI125109, BF822127, AV714975, AI434242, AW163823, AI683979, AW024374, AV692345, BG105099, BE876256, AV721491, AI683165, AI500714, AV712672, AI818353, AI590043, N29277, AI039104, AI696340, AI961589, AI538850, AW028921, AV758803, AI537677, AI249497, AL042432, AV682875, AV682124, AW161098, AW079572, BF343394, AI560873, BG114122, AI570140, AI445611,

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HGLDA95	1011	862035	1 - 948	15 - 962	BF347173, BF526600, BF984592, BG171092, AW138768, AI949338, AI762441, AW026006, AW167545, BF340565, AI885359, AA779779, AI340365, AI139680, AI761389, AW250433, AI274125, BF107061, AI991997, BG025252, AW008345, AI807829, AV707559, AA985323, AI419020, AA779131, AA669665, AW581114, N41657, AI611824, AA043492, AI904558, AW631270, BF903610, R07003, AI766443, AA348640, AI381373, AW631387, R95998, AW026467, BE672089, BE075856, BG007614, BE905439, AW968755, BG007613, AA491208, AA767552, AA916243, BG007586, AA043491, BF105983, AL354740, AL354740, AL354740, AC025405, AC025405, and AC025405.
HGLDB06	1012	855945	1 - 827	15 - 841	AI079118, AI038484, T10155, F07358, F08072, R23557, F07357, AA429414, BF112103, AI183463, AI685676, AV720317, H69890, AA469107, AW293235, AC010328, AC004996, AL117338, AC004953, AL355492, AL121928, AL118519, AC069539, AC007744, AC005253, AC026122, AP000497, AL096791, AC010189, AC010189, and AC010189.
HGLDE15	1013	840364	1 - 444	15 - 458	AW576498, AL046179, AI686416, AW086068, AW512122, AI476656, AI767298, AI379497, AA970024, AW572698, AA905607, AV718752, AW237446, AA181666, AA101416, R69265, AW195573, BF886394, AA923448, D80528, D80527, AA551504, BE348327, AW971266, BF029748, BF209790, BE217740, C00896, AA582123, AL109865, AL136133, AL109865, and AC068841.
HHBEI14	1014	862026	1 - 1523	15 - 1537	BF919751, BF330647, BE062225, BF330653, AW104189, AI809432, AI287764, AI862220, BE773015, AA761009, AI583282, AU142685, AI524381, BG055552, AI081273, AI634214, AI022976, AW088888, AA469321, BE875275, BE879882, BE881230, AV723195, AV705433, AV701496, BE880733, BE877083, BE878027, BE874492, AI287963, AV759594, AI817810, BE873792, AI698669,

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HHBGL33	1015	862027	1 - 505	15 - 519	AI376549, F20607, F20576, C02621, AA249066, AA730108, AI382517, AC007225, AC007225, AC007225, AC007225, AC009066, AC009066, AC010547, and AC010547.
HHEAW44	1016	821654	1 - 1720	15 - 1734	BF327598, AI499615, AI590755, AI866691, AL042416, AI623736, BG180788, AI926593, AI539771, BE897632, AI432644, AI537677, AI494201, AL513905, BF812963, AI804505, AI500659, BE883591, AI866465, AI815232, AI801325, AI500523, AI538850, AI887775, AI582932, AI923989, AI590043, AI872423, AI284517, AI500706, AI491776, AI445237, BF811804, AI289791, AW151138, AI521560, AI889189, AI500662, AI539800, AI284509, AI582912, AW172723, AI538885, AI889168, AI440263, AI927233, AI866573, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI285439, AI859991, AI436429, AI355779, AI889147, AI581033, AI371228, AI491710, AI440252, AI431307, AI499581, AI440238, AI567971, AI866786, AI860003, AI610557, AI431316, AI242736, AI539260, AI828574, AI887499, AW151979, AI539781, AI539707, AI702065, BF983779, AI885949, AI285419, AI559957, AW089557, AI521571, AI801589, AI469775, AW151136, AI866581, AI567953, AW074057, AI815150, AW858522, AI446495, AI610426, AI867068, AI952433, AI889191, AI225248, AI500658, AI698352, AI887785, AI799313, AI371229, BE885490, AI358271, AI285417, AW151132, AV655425, AI440260, AI815239, AI469764, AW058275, BG167830, AI440236, BG252929, AI690948, AW151974, AI623302, BG108239, AI866458, BG178351, AL042365, AW194509, BE962698, BF814072, AI890907, BF811802, AA641818, BG163646, AI554821, AI561170, AI888022, AI431238, BF815930, AI690946, AI355126, AL045166, AL047611, BF812438, AI648567, AI371251, AI866510, BG114012, AI282249, AI433157, AI866461, AI923046, AI049859, AI433155, AI436438, AL047422, AW268964, AV716546, AW196720, AL048403, AL047398, BE789764, AI963849, AI582910, BE048131, AI955441, AA827720, BG029667, AI798359, AI289101, AW858243, BG113493, AI525669, AI354981, BG110517, BF526407, AW169784, AI371243, AI811603, BE622452, AI554827, BF526393, AV736995, AI866820, BE886728, BF974886, BG104506, BG257535, AV735659, AI499325, AL039390, BF795712, AI493559, BG108309, AI804531, BF796402, BF343238, AI274759, AI500061, AI432666, AI924051, BF032404, BF983875,

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HHEBP28	1017	775744	1 - 1894	15 - 1908	BF512537, BF732413, H82380, H58150, AL523019, AI207376, AA125930, H13029, AI207386, BE672167, AL119639, Z44035, R58424, T87496, AA782965, AA808536, AI351464, AI620611, BE671459, AL523043, AI341668, AI338335, AI919256, T80197, H05929, AI925590, BF514528, F03253, AC010169, AC034101, and AC010169.
HHECK41	1018	898182	1 - 499	15 - 513	AA521488, BF436025, AA714210, BF435180, AW150913, AW167245, AA910394, R76459, BE046342, AW468890, AI191112, AA919021, H49170, AA055759, AA767016, R34834, AA807113, R76772, R34930, AV742656, AI538792, AA284400, D50918, AC004913, AL355348, AL355348, AC004913, AC004913, and AC004913.
HHECR10	1019	621371	1 - 1016	15 - 1030	AI284640, AI334443, BE277210, AV759204, AA521399, AA521323, BF668217, AL046409, AA610491, AV763540, AV764263, AL042853, AA877817, AV763971, AW303196, BE409047, AL042753, BE253048, AW301350, BG249643, AW265393, AI963720, AL037683, AW274346, AV710066, AV760937, AI754253, AA584167, AV762098, AV682003, AI270117, AA719292, AA908687, AA581903, AL038072, AW088846, AI473943, AL046205, BF677892, BF914859, BF130605, AW274349, AV762139, AI860020, AI623720, AW833862, AW270382, AV740801, BE394054, AI431303, AL121235, AI370074, BF991286, AA126035, BG236735, BF475381, AW662543, AV703682, AW503666, AI583283, BE160727, BF915628, AV762959, BF915247, AL041690, AA126051, BE297262, AV763354, BF915722, AV762645, AA468244, AW193265, AI696962, AI357901, AA587604, AA576336, AI281881, AI537506, BF827410, AW630298, BE872393, BG150796, AV761155, AL119691, AA480772, BG059568, BF197650, AA491814, AV762111, BF241967, AI370094, AW518220, AI754955, AV713243, AW973254, AV764307, AV759362,

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HHEMC55	1020	566796	1 - 1049	15 - 1063	<p>AF074667, AV762783, AV760723, AA524604, AL042906, AV700498, AW188427, AV764490, AL135377, AV700988, AV700545, AL042905, AA634991, BG260565, AV711842, AI457389, AL534817, BF381650, AU119532, AU145476, AV699709, AA708108, BE796439, BF826830, AA126635, AV762828, AA470577, BE675240, AV711584, AV707404, AA526787, AU121882, AU155048, AV700600, AL046746, AA640277, AA595093, AI866487, BG028665, AV761286, AA130901, AV733710, AL048969, AA603421, AU140392, AI952885, AA534064, BE297356, AW131249,</p>

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HHEMM20	1021	603534	1 - 1735	15 - 1749	
HHEMM80	1022	610264	1 - 124	15 - 138	
HHEMP35	1023	821328	1 - 1971	15 - 1985	AL043045, BG027542, BE908937, BG164500, AI290672, AI829713, AI547314, BE784472, BG253260, AI826499, AW245449, AI912299, AA827585, BF689282, AW148712, AI969463, AA242958, AI924695, AI985786, BE464672, N79122, AA652621, AI911877, AI459001, AW408119, AW150867, BE793702, AI085699, AW027386, AW005251, AA284522, AI913314, AI337930, AI753265, BF435202, AI814626, AI269043, AI334357, AI627452, AA678240, AW469183, AI343754, AA402617, AI420824, AW087580, AW475033, AW962871, AI337938, AA907130, AA928713, AA242823, N62357, AW078683, AI680856, AL519975, AI262779, AW957526, BE350133, AI222874, AW661719, AI546974, W84502, AA641421, W84735, AA729236, AW627676, BF115831, AA370862, AI432156, AA372368, AA594758, R49951, AA321076, AA631065, AI948763, AI864535, BF087932, AI678379, BE247093, BE694581, D45512, AI082512, AI471091, AA033606, H06727, AI452580, AA676438, AW023678, AI079620, AA354408, AA373948, AI783470, AA370861, AI564671, AA337037, R82700, R47801, AI564686, AW630969, AI382973, AI571074, AI701726, AW190401, AW881388, AA033607, AA481984, AW814676, AI935844, AI420826, AA704412, AI281318, AI262614, AA375243, AA806817, AI561327, AI608667, BF726421, BG179993, AI702406, AW071417, BE048071, AL513907, AL514919, AV681951, BE968552, AI349772, AI064830, AV757827, AL040243, AL047042, AW827203, AV682289, BG036846, AW071349, BG029399, BE785905, BE047863, AW303152, AI349933, BG168696, AI349004, AV682249, AW827211, AV681857, AL514627, AL036146, AL121365, AL036396, AI687728, BE048026, AL513911, AV711509, AL514303, AL036802, AL046849, AI538716, AI207510, BG257535, BG110283, BG252914,

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HHEMZ08	1024	840026	1 - 1562	15 - 1576	AI653359, AI811005, AI743036, AV697280, AI568555, AA625521, BG167806, BE048864, AI824027, BF448652, BF438214, N40011, AI130747, AI126543, AA193304, AI379074, AI624113, AI936637, AI368011, AI275538, AI080358, AA404268, AW236922, AW960595, AA564363, AI276027, AV702601, AI275570, AI368003, AI191276, AA962422, AA488874, AI635306, AI480304, AI492368, W45197, AI333916, W38715, AA731161, AA443016, AI934349, AI291511, AW594009, AA488954, AI274931, AI582669, AW469885, AI693424, AA071470, AI581645, W38762, AI696471, N92570, AI383502, BE646049, AA625343, AI480410, AA613349, AA824555, AI096708, AV684337, N27277, AA861317, AA463456, AI796055, AI041748, AA335410, AI523346, AI933211, AW571434, AA194258, AI224569, AI868719, AA451885, AA135295, AV683399, C16240, AA360398, AA257150, BF367469, AW250238, BF515389, AW875802, AA135165, BF927607, AI868703, AA401229, N34385, N42846, AA419446, AA736543, AA584194, AI085242, AA745092, AA594157, AW613813, BF347269, BF801143, AC002364, AL353937, AF217518,

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HHENC17	1025	826646	1 - 2224	15 - 2238	AA203742, AV684778, BF671901, AV753357, AI693143, AW976877, BE044161, BE218347, BE350886, AA847662, AW978281, BE502321, AI376829, AI221206, AI243247, AI498640, AI268751, AI809912, AA806832, AV693528, AV691071, AV746872, AW961775, H62501, AA884174, AW085185, AA767666, AA348013, AA761650, AW026782, AW748972, AA262813, D61601, AA810116, AL121917, and AL121917.
HHENF95	1026	709685	1 - 1112	15 - 1126	BG254981, BG114340, BE544111, AI432666, BF795712, BG252929, BE018334, AI275175, AI440239, AI499463, AI432656, AI433157, AI863014, AI539771, AI500659, BG257535, AI568855, AI500523, AL515375, AI433976, BF812933, AL043981, AL045500, AI436456, BF726297, AI537677, AL513911, AL514919, BF726322, AI612913, BE963035, BG179586, AL514101, BF812438, AI499512, BG252040, AL513553, AL513753, AL513907, AL513837, BG164752, BG033403, BF983875, BE895801, AL513807, AL513839, BF971016, AI620284, BG110517, BG031815, BF792469, AL513763, AI491776, AW169671, BF527014, BG179993, AI866457, BF726234, AV682011, AI540832, AL514129, BF055737, AW827175, BE048013, AI815232, BG111590, AW087445, BF812938, AI569616, BG030837, BF726001, BF812961, BE895585, AV703585, AI866608, BE048071, BF725868, AW071349, BE048179, BE783707, AL040243, AL514819, AI269205, BG120816, AI284517, AI802542, AL515173, AI636456, BE047738, AI682720, AI922901, BF727212, AW149869, AL515041, BG164371, BG179250, BG180046, AL513693, AV723745, AL514983, AL515191, BF338723, BE876033, AL513713, AI250293, BE891101, AI567940, AI554484,

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HHENR74	1027	825671	1 - 1127	15 - 1141	<p>AA568971, D31243, AU147800, BG236735, BE872393, AW630298, AI587583, AI587565, AA584489, AV761608, AL037683, AI284640, AI291124, AW467362, AI291268, AV703682, F36273, AL118991, AV681599, BE042649, AL046409, AI040051, AI431303, AI004591, BF724372, AI473943, AW193265, AA581903, AV759204, AI358501, BG058664, AW276827, AI963720, BE301111, AI075876, AV761188, AI350211, BE160727, AI613280, AW166611, AI745151, AI860020, AW972769, BF940837, BE042475, AW238278, AI345654, AV761317, BF813686, AV760937, AI570246, AW503900, BF668217, AA469327, AI610159, AW503420, AV760207, AA610491, AV758994, AI688846, AV725627, AI801600, AW769399, AI871722,</p>

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HHENU33	1028	560844	1 - 1566	15 - 1580	BF943480, AL035469, AC015749, AC015749, AC015749, AL035469, and AL035469.
HHENY07	1029	638321	1 - 2124	15 - 2138	AU116849, AU117631, BF982876, AL044123, AW574512, BF793010, BE789148, BG116838, BG116756, AA131310, BG171248, BE855770, BE551914, AI857674, AA429583, AU143829, AI435106, AU146509, BF056122, AA936081, BF691066, AI656719, BF241240, AU151346, AW965175, AU144412, AA131523, BF241698, AI553954, AI338118, BF696442, AI434385, AW661770, AA885165, AA431743, AA954964, AA972033, W76628, AI198936, AI672674, R68530, BF432510, AW968900, AA488999, N62245, N40295, AA977604, AA455048, AA909881, H96018, W73020, R68236, AW340789, BF031756, AA345059, AI866149, BF907113, AA488783, BE569093, AL039323, N79336, BG105812, AW583714, AI918449, AV682106, AW051088, AL036780, F27788, AI698391, BF871314, AW023859, AI802542, BE886827, AI499285, AW983829, AW983832, BF812960, AW152000, AL514819, BF970768, AW020397, AL119399, AV656903, BF725644, AI587121, AI419650, AW150794, AI570807, AW089275, BF886638, AI702073, AW198075, AL515191, AW188840, AI783861, BE910373, BG166654, AI620089, AI922561, AI269862, AI571439, AW130930, BG025209, AI537261, AW827289, AL134999, AW130134, AL119791, BF868489, BE540365, BF753056, AI583558, BF806065, BE047852, BE876256, AI624293, AL048334, AW168791, AW168485, AI933589, BF814527, AW149925, AI445990, AW080746, AI539800, AW104141, AW008166, BF814450, BF039003, N29277, AI568114, AI174394, AI923370, AI886181, BF339322, BG028528, AI917963, AI288305, BG029829, BF526020, AI917994, AI669864, BG122481, AV734923, AV757279, AI690687, AW198090, AI354998, AI536685, BG058052, AI184903, AI799183, AI634223, AL046466, AI336575, AI560099, AI254731, BF970652, AI623941, BF872365, BG179993, AV728833, AI270183, AW023338, AW083573, AI590043, BG260287, AW118518, AI857299, AI866573, AI612750, BG112718, AI801325, BE908921, AI468872, AL119863, AI884318, AI919593, BF037484, AV756440, AI335426,

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HHEOK77	1030	841099	1 - 2475	15 - 2489	BG252682, BF032501, BF981675, BE875387, AW954387, BE893080, BG253403, BG110475, BF667306, AW994329, BG164249, BF033123, BG164034, AW748792, AI972475, BF214646, BE888806, BF698280, BF541611, AA398463, BF540818, BF970862, BF102511, AI310521, AW394139, W37660, AW394138, BE613684, AW996902, AW328535, AA876015, AI745165, BF700960, AW467241, AW394137, BE551293, AW978779, AW328536, AA044660, BG165164, BG111134, AI371124, BF809331, AW394158, BE150819, AA197167, BF351350, AI679643, AA282325, BF239544, AW371035, AA828320, AA259013, BG260130, AA485506, AI439059, AI150662, AI340213, AW957452, AI380636, BG024284, AA649293, AI307217, BF876033, AA282278, W42584, AW403554, AA664134, AA600985, AA171725, W37567, BE676789, AI150715, AI393660, AV702008, AI032076, AW277099, AA465438, AA634812, AA620850, AW515557, AI538046, AA399557, AA287539, BF095265, AA044795, AV661277, AV656535, BF131957, AI273352, AA522921, AA236738, BF839238, AA112884, C04604, BF439933, BF902367, AA044887, AW291795, R65996, AA993012, AA083747, AA133828, BE825593, BG171207, AA171915, AA300696, BF898143, AA845909, AA887742, AA634259, AW895981, AW895777, AA262768, AA482640, AW896053, AA456500, N88529, AI335892, H67198, AA461402, AW450054, BF752734, AW895650, BF695499, AW867780, BF700192, AV725464, AA460474, H67871,

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HHEPE72	1031	621254	1 - 1046	15 - 1060	AW805539, AW833901, AW805547, AC002477, AC002558, AL009181, AC011462, AC005089, AC010271, AC027319, AC009516, AF064861, AC002301, AL160231, AL031311, AP000502, AL139353, AL049840, Z84466, AC018751, AP000553, AL133243, AC016554, AC011475, AC004019, AL121751, AL136179, AC004551, AC004867, AP001710, AC008403, AC008764, AL163279, AC010311, Z84469, AF243527, AL035420, AC005328, AL023881, AF168787, AL096701, AL109743, AL353574, AC008770, AP001748, AC006001, AC027644, AP001670, AL109758, AL022318, AC009086, AL009030, U47924, AC020917, AF001552, AC004971, AC004999, AC005841, AC006538, AL117380, AC006312, AC008623, AC020913, AC004230, AC005667, AL008718, AC022148, AL022336, AC020904, AL356652, AC005324, AC005031, AF134726, AL121943, AC005907, AL121601, AC004167, AL160175, AL033529, AC005755, AC005411, AC009194, AL136304, AL050341, AC002115, AC005519, AC018755, AC005736, AL138836, AL121905, Z82180, AL353804, AL357519, AC005245, AL022311, AC010205, AC069214, AC069214,

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HHEPE81	1032	840614	1 - 3319	15 - 3333	BG030417, AL534118, BG112847, BE614191, BE891018, AV706808, AV706599, BF796181, BF981286, BF343645, BE537579, BG029230, AI631954, BF695525, BF666493, BF968872, AV715328, AW996835, H98991, BF699320, BF977306, AI637655, BF699172, BF033626, AW195342, BE694438, AI950435, AI797689, AW009416, BF102943, BF063516, BE464984, BF573689, BE769289, BF196016, AI741392, BE613951, BE464522, BF591172, BF241928, AI860320, BF697020, BE674207, BE672807, AI341672, BF223692, AL534117, BE671147, AV717901, BF575607, BF969450, BF000473, AA843923, BG249711, AA780345, AA939270, AI685859, BF576378, W52892, BF700176, AA807190, BE646101, BF218108, BG248888, N28480, AV715741, BF594772, AI935738, AA281061, AW103775, AI457505, BE568326, BE539291, AA189078, BF246637, AI740454, BE940435, N40006, BE717042, BF575601, BF197495, AI949504, AI949150, AI290736, AI769527, AI148503, AI037950, AA811870, BF572194, AI192672, BF350678, BE464304, BF063489, AI719625, AI760764, BE940438, BG150551, BE940432, BE840932, BE090573, AI074039, N20179, BG249698, N29635, AA848075, AA130489, AI075851, AI307212, AA425060, BE550589, N29080, BF246714, AI767116, AW770775, AA442544, AI262147, BF196540, AI041779, AI912728, BF338319, AI183308, BF681084, N27273, AA463403, AA494533, BF697198, AI014837, BF665719, AW863641, AW383567, AA643362, AI492027, BF217629, AI358325, AA716188, W16681, AI375536, W59956, AI540281, BE091740, AA652626, AW236892, BE698675, AA659400, AI091421, AW301587, AI653544, AI825196, AI028630, AA702393, AI161205, AI359909, W76643, AA976032, AI033669, AI741890, BF831233, AI922549, BF224378, N79510, AW085689, W31366, AI913104, BE086828, BE086824, BF432106, AI268291, BE940433, AI453388, W17377, AI190469, AA191181, W61271, AI262152, BE086820, AI028637, W95199, AI674288, AW975907, AA063022, BF001882, AW513091, H07055, AI191426, AA063152, AW198002, AV709498, AI474493, AW235217, AA126755, AI141489, AI699037, AW058534, H97135, AW449428, AA035087, AI656545, BF431442, BE698692, AA126770, N27285, AA136488, BF247821, AW294975, BE086761, W61272, BF739833, AW236689, BF246235, BF478199, AI339167, BE006687, BF446170, AI934798, BF245534, AA062574, T61866, AA126752, AI656626, AI301763, W16707, BF082856, AI209031, W94764, AI492139, Z42934, BF804554, R33956, BE006688, BF239294, AI968864,

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HHEPM64	1033	844953	1 - 2006	15 - 2020	BE889945, BF984616, AV709309, BE379829, BE379898, AW968993, BG170493, AI810380, AV702275, AA489244, BE745864, AW820298, AI590596, AA689529, AA148559, BF031377, AW117995, BF679023, AA689472, AV727385, AW591400, BF221753, BE931743, BE065356, N51486, BF906580, AA714017, N59811, AV702699, AW820494, AA504283, BE065301, AA235159, AA731441, AI654450, AW440898, AV658259, BF593906, AI025597, AA165330, BE465436, BE932146, AI467938, BF594549, BF790813, AI453582, AW303506, AI911738, AI924898, AA576855, AI698946, AW976060, AV656675, AW367702, BE302388, AI375043, AI914146, AI523870, AW439270, BF822716, AW058152, AW304908, C01997, BE645722, AA235068, AW006733, AA620761, AW362335, AW118701, AI811734, AW014006, AI699423, AI401682, N72758, N53629, AA150220, R57302, AA447090, BF807809, N88816, AA897659, AI804715, AW661769, AW378559, AA625967, AW378619, BE172450, AA804668, AI278385, AC008772, AC020902, AC025442, AL049309, AC010630, AC008772, AC008772, AC008772, AC020902, and AC020902.
HHEQI04	1034	799533	1 - 733	15 - 747	AW971745, BE614230, BE613349, BE612945, BE622828, BE613070, BE613136, BE622931, BE622925, BE621911, BE620742, BE622868, BE614307, BE614237, BE618811, BE614451, BE620756, AW858525, AW858526, AW392670, AW861944, AW604723, Z99396, AL042551, AL119319, AW804686, BG114900, AL119497, BE695785, BG036465, BE965593, AL119324, AL119399, BE705903, BG178819, AW384394, BE705906, AW861889, U46341, AW577135, AW372827, AW858455, AW363220, AL134531, AL079683, AL119457, AL119443, AW877209, U46350,

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HHEQY60	1035	799535	1 - 721	15 - 735	AL046409, AW193265, BF677892, BG249643, AI284640, AI431303, AV728425, AV725423, AI754658, AF330238, AI133164, AV762098, AV740801, AV760777, AW303196, AI350211, AW274349, AV710066, AI345654, AI270117, AI613280, AI289067, AW301350, AW833862, AV762395, AW965008, AI963720, AW969629, AV719316, AF074677, AI334443, AW438643, F36273, AW502975, AI754955, BG236735, BF793766, BE895987, AL038785, AL119691, AV760937, BE047069, BF668217, AL138265, AV762139, AW276827, AI305766, AW972871, AW953071, AI064864, AW088202, AW977134, AV760042, BF965007, AA652764, AV763354, AV763971, AW029038, AA470969, AV764578, AW193432, AW021583, AW975425, AI679782, AV735370, BF337291, BF697673, BF684828, AA490183, AV729809, BF311000, AA649642, AI281881, AW472872, AV728928, AW872676, AL041690, AI471481, AV759172, AI688846, AV761106, AW467362, AW406755, BF241967,

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HHFBA31	1036	701991	1 - 1709	15 - 1723	AL530724, BE621654, BG027091, AL530723, BE874234, AV652803, BG121998, BE883342, AW953039, AV689335, BF507354, BE538434, BE549362, AW953041, AA741059, AI742183, AI742173, AW070895, AW005921, BE350744, AA278434, AI632986, AI140875, AL039115, AI346279, W74749, AA054466, AA613498, AI630177,

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HHFCI81	1037	847387	1 - 1040	15 - 1054	AA347550, R59620, AW304139, AI694030, AI189358, AI042275, AW016829, AI937796, AI589626, AI955051, AA056481, AI311843, AI364513, AW369991, BE669418, AA576723, AA770499, BE938137, BF790421, AA971844, AA894543, AA932628, H65993, AA908848, N64596, AI493990, AI497694, AA129972, H53120, AW028228, N79505, AI828900, AI457196, AW273764, AU156456, AI129685, AA927365, AI167221, AI124075, BG230727, AA935036, W25817, AV719847, H03497, AA922132, R72101, R68812, AL517170, AI129979, AI887056, AA347551, H01191, C21556, BF854211, BE552003, AU127770, BF184460, BF843467, BF750871, AA133530, AW006038, AA143779, AI828194, AI692252, BE049406, AI814910, AA811420, AV658391, BF542015, BF750895, AW055356, AA912037, AA013108, C05970, AW663334, AV659207, BF811415, AA128238, AW084381, AI368391, F00794, AA056647, BF989796, BF665475, AX018010, D12676, and AC015499.
HHFCN78	1038	638179	1 - 1387	15 - 1401	AI291851, AA347728, AA347727, F09277, R42866, H17448, AW119145, R58855, H85456, H17552, F11623, AL050310, AF061032, AL136504, AC004752, AL161442, and AL161442.
HHFCT95	1039	581059	1 - 1433	15 - 1447	BG166667, BE178272, BE880088, BF694895,

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HHFDN16	1040	598713	1 - 1807	15 - 1821	
HHFEB79	1041	130076 8	1 - 3154	15 - 3168	AU132655, AU132630, AU119199, AU125675, AU119524, AU121324, AV734096, BF346183, BG258593, AW959138, BF668482, AA206986, BF878396, AW582926, AI479712, AU145602, N36814, AW377557, AI769201, AA479691, AI540203, AL035761, AI912290, AU145838, AW753484, AA099572, AW959334, AW402467, AA479812, AU149286, AI422022, AA776463, AA535858, AU154148, AI016198, BF361274, AI560927, AU147170, AI343877, AI364588, BF061403, BF431914, AA847209, AA770509, BF811269, N69321, BE244691, AI201680, AW512169, AA101976, AW571674, AI318104, BF850279, BF885693, AA150971, AW629417, BF436279, R59541, AW129185, AW117254, BF850275, AA905745, H11046, BF877950, R60441, AV660512, AA361712, BF849362, BF850278, T52687, BE836494, AW583948, R59542, BF701717, AI674499, R50972, H71487, BF822478, H00394, H11134, AI370388, T34497, AA345282, N46032, BE702756, AW504892, AA533890, AA550718, BF849365, Z42201, AI095571, BE834137, AA360151, H71618, T52688, AW363353, BE770047, BF850276, AA555002, AW845124, BE933555,

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HHFEC39	1042	609873	1 - 1288	15 - 1302	BE178297, BE891680, BE178296, BE178286, BE177969, AI817262, BE178117, BE220165, AW025400, BE178101, AI377829, C06099, BE178000, BF940116, AI422898, AI089906, AA583355, AA971743, AA044947, AA044943, AI076496, AI299481, AI376081, AA427892, H98616, AA618566, AA532381, AI080656, AA884934, AW341785, AA730790, AI139706, AW139974, AA992454, N99650, AI094082, AA483691, AA482694, D62553, AA001089, AI205651, R80152, Z36959, AI692586, AW958955, F10610, AA516076, AI311975, AI313288, AI379372, AI348747, D62481, AI610907, AA513037, AI611925, AI784325, BF054671, D62330, BF054866, BF057878, AA149057, N71679, AA923038, AW969749, BF364372, R43511, D62106, D79281, N83844, T75442, BE168027, BE936283, F13013, BE043482, AI348789, D62153, BE168085, BE178420, BE177858, AL022726, AJ001971, AJ001972, AL022726, and AL022726.
HHFEN34	1043	701992	1 - 1144	15 - 1158	AA256085, R50364, R50025, AA365022, AU147162, BF813555, AA410788, AV763026, AV763058, AA228778, AI056177, BF750422, AV757289, AA602906, AI732151, AV764334, AW819125, AA176604, BG222875, BF766654, AW576490, BG250286, AW576191, AV764259, BF589824, BF675251, AA557945, AA169245, AV764001, AI792521, AI017251, AI340832, BE245576, BF681619, AA491681, AW021917, BE138509, AW516255, BF805088, AW054995, AI923050, AI267269, BE147833, AA622801, BF857377, AL042667, AL042670, AI792499, AI251576, AW020088, AA598605, AI053518, Z84483, AC010789, AC011465, AL033533, AF250841, AF223391, AC010092, AC000403, AC009079, AP001667, AC006536, AC011510, Z84480, Z94721, AL008730, AL109925, AC011738, AC006481, AC007262, AL049868, AL022239, AL391122, AL356103, AC074331, AL135791, AC010205, AC009502, AC004820, AL445258, AC006084, AC018634, Z97054, AC005409, AC004475, AC008155, AL138755, AL121958, AL162573, AL355358, AL021026, AC005230, A91686, AC004837, AC025593, AF126403, AL031591, U91322, AC002531, AC007739, AL136984,

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HHFFZ01	1044	847388	1 - 2032	15 - 2046	<p>AL521424, AL523210, AL514620, AL536205, AL525645, AL537131, AL521425, AL523209, BE739509, BF965558, BG031889, BG258324, BE891149, BF311286, BF530602, AI057627, BF182863, BE560984, AI479627, AL514619, BF037516, BE314805, AI859259, BE297709, AI523551, AI660477, BE797143, AI885132, BF038307, BG027266, BF966086, BE388115, AW958486, BE382803, BE560800, BG115029, BF206872, BE268774, AW958520, AW170144, BF345159, AA779831, BG104568, BE276916, AA699996, AW001491, BF793361, BG108512, BF691744, AW955061, AL527427, BE739244, BE314640, AI191325, BG122405, BE548451, AA779172, C18348,</p>

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HHFGI71	1045	663531	1 - 1576	15 - 1590	AA953588, R43310, AA467750, AA827779, AA279155, AW958897, AW968168, AA129446, BF435396, AA358432, AI632259, AA610688, AV739452, AW275510, AA742286, BE019289, AA742299,

					BE156651, AA832165, AW512484, AA831430, AW857802, AW827120, AI733856, N52527, AW270382, AA507824, AW235497, AI962874, AV762009, AA243436, AA468131, BF984651, AW069510, AA551552, T41247, AA664909, AW090366, AC009263, AC003681, AC004098, AC018751, Z69666, AP000244, AC005512, AL157838, AC010642, AC008543, AL050318, AC011594, AL022163, AC007226, AP001707, AC008760, AL138755, AL354864, AL118520, AC009079, L78833, AL121845, AC007011, AL117336, U95742, AL080242, AC005189, AC002418, AL096774, AC006571, AL133480, AC006141, AC009516, AL121583, AC007216, AL445248, AL353807, AC004840, AC011452, AB023049, AC011473, AC010252, AC009600, AL138761, AC006388, AP001725, AL049544, AC004019, AC011475, AP000248, AC000086, AL021154, AL133174, AC005962, AL391867, AC007527, AL009179, AP000257, AP000210, AP000132, AL031680, AP000505, AF001552, AP001709, AC005800, AC005837, AL096712, AL139351, AC000118, AL035458, AL031681, AC005694, Z98752, AL133387, AC005519, AC004883, AC005669, AP000204, AP000126, AL035410, AL034380, AL117378, AC006042, AC005527, AC011495, AC004980, AC008012, AC004417, AC020913, AP001748, AC004967, AC004996, AC006312, AL109840, Z93015, AC006365, Y14768, AL080243, AC022596, AC006974, AC004760, AC008897, AL049588, AC004542, AF001549, AL031277, AC004087, AC003957, AC005088, AC005412, AL136295, AC004837, AC004686, AC027319, AP001629, AC005829, D84394, AL031286, AL031283, AL121897, Z99128, AC005261, AC004812, AC000070, U62317, AC005027, AC004386, AC002303, AC006537, AL022311, AC006452, AC008745, AF243527, AL031281, AC007292, AC011484, AC004234, Z84469, AC005200, AL365335, AP000098, AF200465, AP001670, AC020923, L07900, AC018663, AL391114, AC005901, AC007956, AC004701, AL137780, AC002558, AL163278, AC008892, AC004167, AL031575, AC007850, AC004652, AC011491, AC006994, AP000349, AC016898, AC005529, AC005531, AL049713, AC010168, Y10196, AC005331, AC005722, AC003006, Z99716, AL121601, AL138807, AC006084, AL133405, AL157776, AC016025, AL121920, AC004517, AL160237, AC016579, AC004673, AF129756, AL158196, AC012331, AC008474,
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					AC007366, AL049843, AC006001, AC011465, AL021453, AL353748, AL442167, AL049871, AL365505, AP000297, AC002308, AC007688, AL138875, AC004496, AL138706, AP000140, AC005052, AC011530, AC000097, AL138787, AC005324, AP001605, AP001671, AC002115, AC007919, AL035587, AC062020, AL109825, AC006480, AC006965, AP000117, AC006315, AL136971, AL035079, AL163285, AC007488, AL450226, AL359238, AL022323, AC024082, AL139286, AC011811, AP000557, AC006205, AC006160, AC011526, AC008115, AC005197, AC006544, AL132987, AC005305, AC005480, AC003690, AP000088, AC017019, AJ006996, AL031005, AC008616, AL078461, and AC006080.
HHFGJ54	1046	731870	1 - 1697	15 - 1711	AU131256, AU121650, BE266277, BE742919, AW960404, AW629345, BF000553, BE504107, BE744645, AW515639, AW274021, BF677064, BE219751, AA129710, AI808035, AW242065, AI185668, AW014984, AW571901, AI092687, AA884894, W73671, BE744137, AW612719, AI949723, AA130552, AI808859, AI808036, BF056952, BF434501, AU153833, AI393252, AW014415, AI218938, AI340027, AI949271, AI917650, AW301286, AW803958, AA693604, AI932541, BE964325, AI022045, AW803956, AW964197, N53667, AW341806, AI039071, AW292147, BE764751, W56523, BF221606, AA489394, AA725874, W73623, AI797577, AW517830, W56587, AA342548, R02181, BF839205, AA133276, AW364955, AI017031, AA733025, BF001499, AA279068, AW241484, AA804595, BF969307, AA664956, AA357318, BE466157, AV721907, T93900, N73032, BF091798, AV682045, AV738773, BF970939, AI916642, AA331860, AA404545, AA316087, H68702, AW242977, AA332308, H53517, AV661347, AV661226, BE706349, AV741230, BE706344, BF911617, BF130696, AI766502, AV744996, AI370338, H46903, BE741257, AA089818, BF132948, W85768, AV688239, AV688228, T12052, AV688225, AV688264, AW582396, AA010246, N99805, AV687130, AV687136, BF970872, N72447, H02085, H91795, AI581389, BE817821, H45572, AA328992, AA194127, BF085220, BE766572, AK023161, AK001540, AK001752, AF161431, AK026217, and AK021517.
HHFGL38	1047	833063	1 - 2750	15 - 2764	BF898289, BF898273, BF898282, BF902138, BF929706, BG223297, BF933865, AA604995, AW068316, AP001717, AL121928, AC008403, AC008569, AC004089, AC005015, AL121890, AC006130, AP001670, U52111, AJ009611, AC002483, AC006449, AL121845, AC005231, AC011465,

					AL035458, AL049537, AL096840, AC005052, AL353777, AL031685, AC006349, AC004980, AC004383, AC020916, AC024561, U80017, AC019227, AL137073, AF111168, AC006480, AL022163, AP000350, AC011811, AC004821, AC005684, AC005620, AP001630, AC011540, AC005562, AC002425, AF200465, AC008969, AC011462, AC005182, AC007225, AP001748, AC002544, AC003070, AC010618, AC020750, AL050318, AL109797, AF001550, AC004973, AC002316, AL022721, AC007216, AC004967, U47924, AL022323, AL024498, AC005089, AC008745, AL353653, AL049694, AL080243, AL136170, AC003029, AC005011, AC004840, AL049840, AL050335, AL445687, AC005412, AC020626, AC010422, AL133418, AC004841, AC006001, AC005914, AC012442, AC005899, AF243527, AC005071, AC005902, AC004770, AC004797, AC020917, AL391259, AC009060, AC009314, AL109627, AC007731, AP000501, AC008764, AC002492, L78810, AL031657, AC005500, AL035685, AC004882, AL122020, AC004922, AL161670, AP001728, AC005669, Z84487, AP000553, AL136179, AL031427, AC007182, AC011452, AC005829, AC008102, AL049776, AC005736, AC002551, AL355385, AL096701, AC005874, AF134471, AC004087, AC006329, AC007193, AC023510, AL049712, AL049745, AC004150, AC005031, AC005081, AC010605, AC006116, AF001549, Z99127, AL356354, AC007021, AC011480, AC011464, AR036572, U91328, AC018663, AC008474, AC005003, AP001752, AC008521, AL021154, AF156673, AC018511, AL138752, AC008556, AL121929, AC002565, AC007383, AC009244, AC007308, AC006125, AP001694, AL031848, AL121658, AC004019, AC005696, AC009228, and AC002477.
HHFGR75	1048	654845	1 - 1005	15 - 1019	BF927007, BF902263, R94385, AA747028, AW204277, AA693816, BG025199, AW833992, BF875339, BF131481, AV757180, AI803771, BF988717, AA601333, AW207104, AA601376, AW887515, AA551105, AA428270, AA601529, BF880881, AL036334, AV755245, AW148964, AI270280, AW850427, BF222681, AV712770, C14144, AA688303, AI668951, AI420747, AV726516, AW452106, AV732982, BG180081, AA533066, AW850448, BF677521, AA988149, AI348780, AW963489, AW268920, BF679095, BE465042, BF110644, AW770726, AA577706, BF906747, AW006124, H05742,

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HHFGZ23	1049	721653	1 - 1265	15 - 1279	BE711198, BF084229, AW273360, T53829, T53962, F04982, F02614, F03408, BE711189, AA347899, AW752512, AA347898, AW795444, AI086283, AW886473, BE161499, AA856815, AA287618, AC074331, AC008555, AL160036, AC006070, AC007364, AL133246, AL132657, AC006484, AF011889, AL139009, AC006440, AC006974, AC006948, AF205588, AC007344, AL122003, AC008277, AL390738, AC006239, AC016948, AP001698, AC007671, AL157360, AP001603, AC006379, AL096868, AC022078, AC006369, AC007842, AL137067, AL049796, AL136504, AL121868, AC023430, AC005823, AC004616, AL022395, AC005826, AC010198, AL031466, AC005062, AC006026, AL163853, AL132777, AL353706, AL121658, AC005040, AC006362, AC005104, AP001693, AP001710, AL031671, AL049834, AL133299, AP001721, Z94721, AC025920, AL118497, AC011815, AC024162, AC084732, AL109809, AL049176, AC022392, AC007000, AL354835, AL157818, AC020550, AC007450, AC026197, AL353643, AL121753, AC003109, AC011500, AL356421, AL109799, AP001748, AC006197,

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HHFHG26	1050	608250	1 - 710	15 - 724	AI738528, AF307337, AC021553, and AC021553.
HHFHM47	1051	638181	1 - 845	15 - 859	W01745, BF965341, AW079809, AA577824, AU145521, AI080618, BG010084, AA626632, AU147529, BE675695, AL037910, AI433104, BE796439, AV756726, AV764523, AI610376, BF899670, BF899672, AA602951, BF899671, AA193205, AI821785, BG056174, AI821714, AI792133, AI791913, AV762220, AA484228, BE541237, AW248523, AW270619, W79504, AW589257, AV710762, AI583106, AA708322, AA315361, AA614254, AI568683, BF674256, AI623764, BE538259, AA747276, AI356440, BG109162, AC004867, AC006112, AC008264, AP002534, AC012627, AC004983, AC003029, AC005971, AC083871, AL021878, AL035398, AD000092, AL121712, AC005995, AC008372, M89651, AC005098, AL137139, AC011310, AC020934, AC008083, AC011475, AC015971, AL022721, AC005520, AC008736, AP000141, AC005497, AF029308, AC020663, AC021752, AL034549, AC005159, U85195, AF053356, AC005740, AL133163, AC005783, AE000658, AC004943, AL133370, AL078461, AL133516, AL133153, AC006019, AC002996, AL117381, AL136300, AC018637, D87675, AP002535, AC002984, AC005666, AP000555, AC022407, AC007151, AC004019, AC009228, AC004971, AL117382, AL136223, AC006449, AC008753, AC008392, AC010326, AC007912, AL391259, AL121845, AC058791, AC007956, AC011811, AP000557, AC002316, AC005736, AF205588, AC004156, AL049780, AL023575, AC009516, AL034372, AC005081, L34079, AC020916, AC005005, AL356020, AL023807, AC004895, AC002457, AC027644, AP001694, AL021154, AC007688, AL022476, AP000959, AL035659, AL353574, AP000088, AC005844, AC011464, AC011470, AC007687, AP001710, AP001711, AC002314, AC009086, AC005212, AC000052, AL031005, AF207550, AC009247, AL162831, Z85987, AC010422, AC011495, AC006023, AL117330, Z99496, AC006211, AL096819, AC005071, AC008119, AC002377, AL138807, AC009481, AC004655, AC008762, AC007450, AC005544, AL035587, AC004859, AC002301, AC004686, AP000501,

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HHGAA76	1052	767745	1 - 1918	15 - 1932	AL521782, AI970683, BF960821, AA525027, AI114469, N86646, AW861987, BF960221, AI696660, AW994740, BE068838, BE068842, BE068841, AC016554, AC008783, AC011815, AL133282, AC004748, AP001674, AP001538, AL035687, AC016398, AC026197, AC020755, AC024162, AC025920, AC017082, AL353573, AL358336, AL354750, Z83841, AC018360, AL050308, AL121575, Z84814, AP002535, AL163210, AL135960, AJ131016, AL121949, AC002485, AL133224, AL031286, AL121983, AP002532, AC007282, AL355871, AL109659, AC006070, AL133472, AL355612, AC004453, Z80107, AC006928, AL158206, AC004384, AC006557, AJ271735, AL163282, AF064865, AC022215, AL035427, AC006371, Z81365, AC018832, AC023472, AL117337, Z96074, AL163248, AF003529, AC005509, AL096803, AC020603, AC005189, AC023478, AL390023, AL139109, AC007403, AC009289, AC022274, AC003106, AL035400, Z92547, AL359641, Z99497, AP000500, AL356244, AC007528, AC018641, AL137145, AC006450, AC008009, AL163853, AC008944, AC008750, AC002065, AL022310, AL031661, AL132994, AC069298,

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HHGAD46	1053	812646	1 - 1288	15 - 1302	BF805186, AI570568, BF805137, AW341487, BF364828, AI827050, BF810817, AA358477, BF810805, BF812146, BF810813, AW298668, BF812138, AI792189, AA330586, AI015693, AI733599, AI672488, BF769701, H16914, BF771890, AW193262, AI244716, AK026431, AP000353, Z92546, Z92546, and Z92546.
HHGAT09	1054	603526	1 - 531	15 - 545	AA504142, AW007509, AW007498, AI800822, AU156741, AI735575, AI760060, AW264207, AI336432, N21208, AI339620, AL043955, AI758875, BE539256, AL532592, AA745813, AI829460, AU157584, BF967990, AI092831, N23109, AU150875, AI087213, AI186863, AA886556, N52077, AI185824, AA025059, W42786, AI355810, AV760393, AA135503, AA573747, AI265852, C00070, W86230, AA417943, AA779060, AI382869, AA583154, N23335, AA628470, M85317, AA454010, AW275410, D57180, AA025058, BE769005, AI298843, BE768981, BG036384, H88704, AI698306, H88659, H77295, AI016827, BF692532, D56287, BF573537, AW021130, BF082745, BE905998, AW103949, AA476702, BF082661, N28726, T10851, AA451801, BF698928, AI250664, AA577545, BF993632, BE766904, AA531354, BF057509, W86229, AI272969, BF029164, BE813924, BG163618, BE138886, AW996783, BF032834, D31216, AA181208, AA155840, AL513865, AF000231, AC009433, and AC027736.
HHGBC21	1055	840455	1 - 1127	15 - 1141	BE738423, BG122663, AU145662, BE619286, BE737812, BE780075, AW118940,

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HHGBF91	1056	603907	1 - 642	15 - 656	AA143060, N29137, AA291374, BG149731, AW514373, AA143178, AA464138, AI302147, AA405883, AA405192, W69258, AI860326, BE669475, AA402976, BE502869, AA403301, BF432906, BE502320, AA464205, AI248813, N21175, BE464730, N51475, AI076664, AI076530, AW139524, AI289509, AA548070, AW514516, BF940515, AA953986, AW954188, AW205680, N53616, U20896, AR003670, AC004623, AC004623, and AC004623.
HHGBG63	1057	824060	1 - 784	15 - 798	AA194086, AW817526, AW861402, AC007404, AC003102, AC006064, AL139014, AL096791, AC011895, AC004749, AC003037, AC009016, AC006349, AC004812, AC008569, AC012085, AC007850, AL096701, AC006351, AL158196, AC006028, AF053356,

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HHGBV02	1058	604912	1 - 1207	15 - 1221	AA001738, AA974578, AW304038, AA262540, BF222066, AA001807, BF807355, BE041514, AA923470, AU128696, AL136981, AC004527, AL163204, AP001466, AL078614, AL139008, AK001448, AC004527, AC004527, AC016147, AC016147, AC016151, AC016151, AP001466, and AP001466.
HHGBW55	1059	638183	1 - 424	15 - 438	AW272490, AW006162, AA608773, AA676670, AA148109, AA400188, AI150151, BE672864, AW003573, AA913954, AW207216, AA905227, AI208940, AA382744, AI654709, AW241479, AI214730, AA969339, BF475264, AW235898, AW207054, AI635370, AA381924, AI913386, AA400346, AA381526, AA905243, AI554052, AW274535, AW161786, AW665715, AW162047, AW162303, AA146931, AF060862, AC018751, AP000553, AF190624, AC018751, AC018751, and AC018751.
HHGBX88	1060	638323	1 - 428	15 - 442	N99132, AI041830, AI129136, AI436024, AI564498, BE889649, AI075459, AW024806, AI309251, AI146267, AI127098, AI458822, AA293157, AW001584, AW166391, AI355605, AU150223, AI935253, AA772282, AA576819, AI985999, BE047473, AA132495, AW194398, AI269874, AW194432, AA808676, BE905498, AI092593, AI753752, AA865436, AA448661, BF591266, AI952536, AA480350, AA677056, AW752996, AA508681, AA243470, AA235595, AI190627, AW087696, AA587274, N33067, BE544506, BF850879, AI039846, AW852038, AI241403, AA063545, AI193887, BF979921, BF063903, AA858103, AA928333, AI745599, BF437543, AW295690, BE741043, AI266411, AI347772, AA872314, AA235764, AA035675, BG251821, AW006751, AI372889, BF437781, AI432095, AA858124, AI084252, AA768678, AI244931, AI678904, BF063319, AA493526, AI190266, AI214998, AA551977, AW852250, BE538756, W56302, AA025879, AA410738, T57145, N78720, AI675386, AI685583, AI668984, H28899, AI970685, BE695682, AW074457, AA704400, R88206, AA302456, R88098, AA303203, AA860648, AA132603, AI866072, AA737145, AA327958, AA304590, AA554990, N42134, AA709421, AA319989, AI220881, AI445006, AI803173, H30167, BE614284, AL135262, W52138, W55874, AW884367, AC006405, AC006405, and AC006405.
HHGCA26	1061	610265	1 - 528	15 - 542	BF844340, AC004881, AC016091, AC004881, AC004881, and AC004881.

HHGDA81	1062	782757	1 - 1046	15 - 1060	<p>AW888225, BG179776, AL046940, BE909010, BG028046, BE257058, AV704518, AV707665, AA115296, AV706611, BF968134, AV709320, AA115271, BF675963, AA127752, AA482432, BG028121, AA127675, AI719551, AI754750, AW961918, AI817764, AI084658, BG118898, AI921925, BF667059, AI480051, AI720847, AI936895, BE881224, BG035454, AI978596, AI973004, AA482579, AA575879, AI754633, AA292209, W39064, AA927727, AA009997, AA452021, BF593800, N94401, AI142422, W29031, BE810269, AI423383, AA890468, H63931, AV749480, AA988949, AI096965, AA894599, AI050691, AW378187, AV746711, AI086800, AI139378, AI678930, BF130110, AA399442, AI051332, AI125344, BF793328, AI081394, AI359024, AI378588, AA772301, AW043773, AA700495, AW771084, AI084108, N33460, AA911305, AW378172, AI949335, AI300324, AI270397, AI344414, AI337951, AI278254, AA558222, AA861332, AI359034, N20819, AI193787, AA916406, W04346, AA902353, AA425936, AA643567, N30542, W76634, AI057222, AA938581, AI497697, AA028054, AI147178, W30996, W69873, AL523500, BF449052, AA470118, AA425645, AA047051, AI344638, AA532699, H28269, N32467, H63932, H77909, AI873123, AA702306, N21060, AA577542, BF432294, AV704680, H28220, AV713038, AA503903, AA740273, AI085350, AA659072, AI168251, AA039609, R96127, T36061, N67698, AA494013, N27140, AI568058, BE778760, AA421453, AA009998, H63529, AW337863, AI873124, BF763474, AW005163, AA421485, AA960770, AA531176, AA856783, H63530, AV751492, BF752804, BF948183, H85295, BF092572, BE767177, AA580353, BE706846, AA558171, AI217059, N40077, AA463191, AA463190, R01193, T94569, AA635123, H29872, BF751352, BF764314, R77247, H52471, BF765576, AI669786, AA830715, AI803744, N89808, BF752791, AA844445, BF764311, R55436, H54201, AL523501, H29968, AA412390, BF092554, T32427, N27892, AA757759, AA724652, AA768259, H84289, AA330278, H85448, H06453, BF752225, BF752233, T56761, BF844824, BF351642, AA301933, N56549, AA861336, N98765, H86001, R54987, W73027, H85729, AV706575, N40893, AI214666, AA384421, BF215850, BF765568, H84831, BF313506, T53378, AA718987, H11502, AA583602, R01305, AA064779, BF765582, C03990, T93970, AA083961, BF752813, BE763108, AA018728, R77248, AI276820, T56762, T93294, AA326702, AI025994, H84970, AA384049, H52470, AI919094, BF844844, Z43917, Z28779, AA384100, AA129077,</p>
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HHGDI12	1063	747680	1 - 1226	15 - 1240	AA458764.
HHGDR05	1064	610266	1 - 812	15 - 826	AL121714, AC016543, AL121714, AL121714, AL121990, and AL356475.
HHGDR92	1065	840454	1 - 1160	15 - 1174	BG031279, BE281287, BE612912, BG120994, BF690074, BG031542, BG033015, BF571990, BF978805, BE612464, AA418465, AW088738, BE251013, AW162459, BG032058, AA478902, BG180802, AW665916, AW027570, BF740159, BE787600, C06298, AA256442, BF983300, AI553725, AW104070, AW150700, BE302194, AA424682, AI453283, AI394190, AW967255, BE857391, AI880202, AW006476, AA070918, AA536209, AA121970, AA069007, AA478783, R53885, BF061513, N66990, H74275, AV706699, BF821489, AA074811, AW439403, T67508, AI539331, AU146289, AV727745, AI986287, BF725810, AW024935, BE856213, AA074125, AW246556, AA341045, H06813, AI093991, AA829837, AA424576, AA741354, AI056006, W37525, AU119766, AA431724, AU160164, AA715122, AI299761, AI281286, BF834728, D81005, AA535723, AA069071, AI122874, BE393744, AI627208, AI272920, AU126237, AA526967, BE514456, H74276, AA644159, F31598, BF894176, AI096641, BG057059, BG024695, AA573916, T29996, AA076067, BE895875, AA181656, AA668623, H49662, AW874104, BF739775, H46821, AA310480, AW589578, BF090208, D53917, AU142991, BF796351, AA076025, N81150, H06814, AA345698, BF894198, AA074770, BE843355, AA340955, BE791525, BE094760, AU146025, AW408844, BE700261, F24941, C15256, BG177995, AW302536, BE514543, W37526, BG248475, AA635763, AW769653, BG120319, W07651, AA830568, AA807561, BG253748, BE270076, AA301879, F31661, AW089147, AA299619, T03546, AA121969, BF890881, BG168129, BF034085, BE884549, BE251618, BF432530, AI868730, AA303117, R46571, AI051638, AI225017, AW162450, BE514397, AA327329, BF312936, Z40273, AI419683, AA169575, AU120133, AI905100, D53613, BE149787, BE694833, BE897651, BE536733, BE939725, AA181625, AW905723, BG121504, BE262665, BE295402, R53869, AA169888, D54082,

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HHGDS56	1066	663379	1 - 1488	15 - 1502	AL038785, BF684828, AW972871, BG029216, AI625244, AI679782, AW088202, AI064952, AI962050, AW029038, AW088616, AV763777, AI570261, AW162049, AI929531, AW969698, AW969694, AI339850, AA522942, AV729947, AV728632, AV719311, AV728309, AV719316, AA523815, AI917271, AI567674, AW079659, AI368745, AU145462, AU148742, AA713815, AI918421, BE787738, AA837084, AW977134, AI890923, AW080134, AW166815, U51696, AI133636, AI251002, AV710306, AI469003, AW104748, C06327, AI049722, AL120674, AW440836, AV752696, C05755, BE389903, AA826303, AI251436, AA482711, BF677892, AL046409, AI284640, BE390977, AI963720, BE277602, AV709064, AV760777, BF668217, AA582911, AA768905, AI334443, BG249643, C06458, AI608626, AI613280, AW075511, BF211188, AW193265, AA504871, AI431303, AW965008, AL045053, AL119391, AF330238, AV762098, BF241967, AA483068, AW303196, AV740801, AW274349, AV763354, AA828704, AA581903, AW301350, AA715217, AI350211, AA312845, AV760937, AI281881, AI610159, AV761362, AV762395, AW500125, F36273, AA767376, AV762139, AV710066, AL042853, AV734666, AV761489, AW419262, BF940837, AU145499, AA634146, AA132833, BE047069, AW438643, AI358571, AI345654, AW473163, AA550758, BF131362, AA491814, AI270117, AI064864, AW833862, BF475381, AI471481, AV728425, BG254180, BG036934, AV763971, AI708009, AV725423, AL138455, AV763449, BE350475, AV735370, AA610491, AV762111, AV652936, AW276827, AL041690, AA531372, AV763255, AV761056, AA720702, AW974109, AV729809, AA113186, AV682003, AI289067, AV764578, AA190911, AW975425, AW020992, AW406447, AV764307, AV763540, AV761786, AI254615, AW338086, AA584201, AW021583, AV759274, AW963497, BG222267, BF130107, BF965007, AI061334, AV762050, AI619997, BG109996, AI341664, BF029969, AW327868, AU147800, AI688846, AW472872,

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HHGDW65	1067	825652	1 - 800	15 - 814	AA736485, AL021938, AC020754, AC020552, AF111167, AC005952, L44140, AC010422, AC005015, AC011464, AL137222, AC027319, AC005193, AC005318, AP001719, AC011455, AC004089, AC007240, AC005377, AL139396, AC005906, AC007201, AP001727, AC021999, AL138743, AL035410, AC002565, Z93015, AC004883, AC005874, AF134471, AL355392, AC024075, AC005722, AC020904, AB001523, AC018511, AC010618, AC004824, AC005098, AC004166, AL138756, AC009362, AL035090, AC007637, AC006205, AL035086, AL021394, AC083866, AC008569, AC009244, AC002477, AL136227, AL136227, AL021938, and AL021938.
HHLBA86	1068	846326	1 - 1289	15 - 1303	AA309270, AA620377, AC002074, AL136230, AC022212, AF241728, AF241729, AL034424, AP001538, AP001674, AC020637, AL352977, AF130343, AF106564, Z95328, AC004384, Z98255, and AC068035.
HHNAC56	1069	562030	1 - 1508	15 - 1522	AA309467, AC004088, AC002982, and AL353680.
HHPBG90	1070	603908	1 - 1558	15 - 1572	AA876227, BF346081, BE262516, BF969066, BG057682, AI563989, AW964954, BF339478,

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HHPDE28	1071	877640	1 - 1617	15 - 1631	<p>AW606856, AW393530, AW373617, AW373766, AW606852, AW373625, AW373767, AW373753, AW373740, AW373748, AW373760, AW393545, AW373768, AW606855, AW629171, BF110245, AW104300, BF512135, BE543453, AW364046, AW006750, AI494013, AW976164, AI375165, AW821271, N80089, N64655, AW860112, BE179095, AW373745, AA282914, AW606838, AW393528, AW393553, AI911014, AA743489, BE161177, AA809630, T57349, AW373751, AA897658, AI919185, AA714790, AW384958, AA757760, AW300466, AI433574, AI733321, AW673053, AI791660, AA946953, AI733452, M85464, BF878846, BG231867, AI951965, BE156403, BE156202, AA938236, H90881, H64113, BE156205, AI452403, AI333592, AA861406, AI524521, BF888049, AI927861, AI334099, AI473716, AI184319, BF755197, AU157231, AA363197, R10327, AI022386, BF996926, AK026326, AC073102, AL360078, AL021939, AC017006, AC008071, AL121593, AC002543, AC020914, AC005015, AL391385, AC055740, AC020908, AC006994, AL137078, AC006112, AC006263, AL137016, AC006116, AL121983, AC005482, AL356913,</p>

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HHPDJ11	1072	827289	1 - 1888	15 - 1902	AU117539, AU139345, AU120688, AU137609, AU139649, BE891936, BE890293, AU138835, BF699821, BF207632, BF701557, BF699644, BF701157, BF694110, BF210329, BF669500, BE539424, BF699125, BF694156, BF700075, AV655567, BF699161, BF696264, AA928678, BF212827, BE970018, AU145051, BF699953, BF698645, BF667809, BF669186, AV753477, AW182646, BF700756, BF664722, AA909963, BF208076, BF694252, BF698112, AU158384, AU145145, AA932204, BF696450, AA909961, BF699390, BF694188, BE767576, BE048717, AA233080, BF185024, BF697249, AA922947, AI336216, BF210981, BF699748, BF666616, AA922946, AU146687, BF695664, AW081307, BF664869, BF240428, AI433872, AI493179, AU157305, BF695619, BF698414, AI245931, BF697507, BE566520, BF697180, AU155683, AU156298, BF700543, AI817788, BE865877, BG105515, BF107173, AI373318, AU145776, AU155688, AI373111, AW472861, BF211960, BF132157, AU155681, AW629869, AI049514, AA670204, BF696786, AA947133, BF477360, BE379887, BF696914, AW022288, AA827770, AW675433, BF789947, BE047284, AI476063, AI888471, AI358468, AI888010, AI355877, AI587384, BF210915, AI619918, AW517286, N59174, AW956421, AI266210, AA610540, AI625385, AA976881, AI127888, AW339040, AW269052, BG027006, AI268557, BE972528, BF665148, T62565, BF792509, H03654, BF690909, BF107051, AA015789, R24006, R35227, D11573, R79709, AV650324, AI432041, AW955221, BE787733, T36156, BF029384,

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HHPDX86	1073	731966	1 - 2040	15 - 2054	
HHPEA17	1074	562773	1 - 989	15 - 1003	AA601364, AA088873, BF814027, BG251983, AI992192, AI969288, AI671500, BF919782, BE048991, AA417048, BF930577, T60681, BE147416, AI783494, BF870164, AA584088, AL038936, AA749428, BF844400, BF844397, AA657943, AA417179, AA828767, AU146344, AA484373, BF891210, BE144864, AA715805, AW962335, AW838719, AI791227, AI732911, AA191659, AI065038, BF915687, AA812141, AA351235, AI365624, AA774780, BF832193, AI818231, AI381253, AI613389, AA807583, AW861303, AW901478, AW162324, AA629874, AW848774, AW022897, BE271287, BF985748, AA720677, AW970030, AA722039, AI792578, AA657905, AW977573, AA811208, AC005730, AF053356, Z97054, AL121890, AC011455, AC008736, AP001694, AL135839, AC005236, AC018644, AC006483, AC004826, AL050335, AC016602, AC007676, AC003041, AC005020, AC020955, U91318, AC020934, AL049636, AL354720, AC005102, AC005899, AC019227, AF196779, Z97055, AC007226, AC015651, AC005520, AC027644, AC005840, AC006312, AC020904, AC002301, AL096791, AC004132, AC009155, AL033526, AL031666, AC004922, AL353194, AL159977, AF165926, AL163249, AC007216, AC002350, AL031295, U47924, AL024498, AC006345, AL353807, AC007199, AC007358, AL022320, AC004019, AL117381, AC008372, Z82171, AC005003, AL049745, AP001725, AC073593, AC005081, U91323, AC005562, AC002565, AC006329, AC008738, AL050348, AC004813, AC008950, AC004089, AC000379,

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HHPEB61	1075	658693	1 - 1818	15 - 1832	AI655524, AA991482, BF740151, AI655504, AI557294, AA834877, AW957589, AI656485, AI424536, T33605, AW965849, AW901169, AW852249, H29620, BF899104, AA548663, AI702498, H20763, BE858958, T33606, F10522, R43685, T75232, H29713, AA594598, H20762, AI469155, T17070, Z45603, Z41287, H75537, T34387, T03667, H69032, R60872, AA662311, AA524229, AA508695, AA948307, H18479, AA515728, BF594216, T34386, AI636734, AA167792, AW411059, H82653, AA937766, AL136125, AC007956, U95740, AC034242, AL021707, AL136170, AC018719, AL157791, AC005520, AL161670, AC007404, AL035458, AP001748, AC005081, AC004634, AC005225, AC008969, AC008569, AP001725, AC021036, AC000353, AL049872, AL133153, AL132639, AC010326, AL353574, Z94056, AC005484, AC005899, AC020916, AC004867, AC006388, AL020997, AC008062, AL136418, AC005952, AL109930, AC007546, AC005399, AC007345, AC005562, AL021453,

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HHPFP26	1076	753269	1 - 2338	15 - 2352	AW955777, AU127795, AV699578, BE621969, AI346748, AI281940, BE005208, AA524503, AA916758, AW449058, BE467769, BE464881, AU151450, BF514115, BF000038, AI634820, AI523530, AW511445, AI862532, AI949670, AW970765, AA608828, AI857780, BF571416, AW295536, AI377542, AI093088, AA287191, AI151251, AW614038, AA287100, AV699485, AA448285, AW770401, BF737449, AA878147, AW337811, AW593438, AI094118, AI679170, AU129292, AA824653, AA126509, AI335819, W17300, AA724997, AI926067, BF445215, N89777, AI376326, BF898929, AA693394, H24089, W20017, AA780601, AI262511, H95444, AW023522, BF330087, AW605999, AA651916, AA708871, BF968034, AW380437, H95445, R43926, C03566, AW452210, R18816, AA334867, R84237, N91375, AW020824, H22911, W24107, D62482, N91929, D62471, AW630974, BF946583, BE708592, BF195756, AA658355, AI962246, AA282731, BE967075, AK022861, AK023008, and AL163853.
HHPFS11	1077	570807	1 - 1036	15 - 1050	AL139100, and AL133232.
HHPFS15	1078	847389	1 - 732	15 - 746	AA760667, R50794, W47654, AV684282, AI217022, T66042, R60930, AI753012, AA836134, AA648318, T39348, AI817257, AI872835, AV697076, AI949817, AI873940, AW576200, AA723333, H09555, AA813966, AA460227, AI283015, AI128848, AA453575, AW518085, H05041, AW008347, AW264526, AI308930, H29534, AA853993, AA831949, C75225, R44846, AI204139, AI185635, N69593, AA806827, W39072, AI572097, W94093, AI090340, AI077839, BF108988, AI122620, AI762780, AA399700, N67949, W84523, AA682222, AI126069, AI015309, AA436691, T23857, AI032314, AA991167, AA888831, AI001871, AA448304, AI337575, W60064, AA825875, N90996, AA442157, AI819440, AW149503, AA868417, AW008552, AA777074, AI247888, N72853, AI374877, AA868419, AI335848, AA778718, AA780358, AI268070, AA736496, AA547980, AW009752, AI033324, AI887423, N26106, N79031, BE464663, AI538581, AA502622, AI131143, H99358, AA622569, AI696807, AI139922, W69745, AI190806, N21632, AI200293, AA716628, AA775646, AA593568,

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HHPFS18	1079	829347	1 - 2594	15 - 2608	AU118373, AU117678, BG109189, BE885268, BE785506, AW191018, AI655728, AW370349, AW847761, AI813664, N62925, AW958196, AW236807, AI954660, AW603675, AU144958, BF109666, AA845588, AA582935, BG057249, BG231680, AI469980, AI744489, AI743760, AA694188, AU160565, AA829899, AI143187, AI732941, AI954683, AI990875, AI963317, AI791260, AI480299, AA971443, W03545, AI337211, BG231885, N77052, N20415, AA743667, BG252288, AA449646, AI833319, AI709151, AW179064, AW183952, AI311468, AA424170, AI690530, AA422107, AA449483, AU158868, AW352158, AV726085, AI028472, AA451736, AI139928, BF086853, AW370329, AW614165, AW369655, AI910710, AA464142, AW388866, AI825751, AW474433, AI287986, BF086850, AW388874, AI816822, AI804554, AW074166, AI351539, AW389059, W56495, BF913453, AA523888, AW388950, AA962101, AW388922, AI524492, H17861, AI399853, BE042509, AW352145, AI363825, AA730400, AI025020, AW388819, AW370346, AW370336, AA233374, AW370345, AW389038, AW388834, AW388934, AW388852, AW388750, AW388868, AW388937, AW389091, AI362003, AW352161, R98015,

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HHPGH34	1080	535780	1 - 1053	15 - 1067	BE311660, F08743, F23327, F08648, AC004841, AC004166, AL050335, AC008569, AC008616, AC005098, AC010271, AC010150, AC004686, AC005071, AL022238, AL022323, AL035684, AL034405, AL031276, AC011495, AC020916, AL161731, AC004821, AP001753, AL121601, AC009087, AC006211, AL117381, AL135978, AC027319, AC009244, AC010422, AC006101, AL136137, and AC004024.
HHPGU74	1081	821486	1 - 2452	15 - 2466	Z92547, AP001719, AC003969, AC025569, AC025569, AC011612, AC011612, AC011053, and AC011053.
HHPGU87	1082	658694	1 - 2535	15 - 2549	AV652431, BF971240, BG252275, AV726996, BE893830, AW663976, BE568219, BF185719, BE884097, AI670875, BF669617, W73272, BF679056, W72944, BE856478, W60881, W91922, AA984307, BF382687, AI380931, AI804661, AI275607, AW051332, AA479129, AW088395, AA578689, AI803729, AW195327, AI400245, AI824185, AI024685, AI126637, AI148084, W92044, AA261827, AI244894, AV652594, AI446522, AI393616, AV727482, AA262475, AW269360, AI721041, AI138623, AV652529, AA978077, AV652347, N59855, N64625, W91923, AI598074, H25940, AV652310, AA847779, AV725689, AI040460, AA233676, AA631241, AV652225, AA631862, AA594767, AA261899, AI753061, AA262536, W68420, AA704181, BE766443, AI767983, N59848, AI301340, M62032, AI244546, C17483, AL119587, R53247, AI084826, W68518, R49220, N67397, BE777798, AI026891, AW964200, R55197, R35423, AI587197, BG260885, AW964202, AI911548, N80204, F09375, AA875909, AA628291,

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HHPSD42	1083	600317	1 - 1054	15 - 1068	
HHPSE03	1084	580839	1 - 1532	15 - 1546	AC002040, AC002040, AC002040, and AC002040.
HHPSE55	1085	735562	1 - 1378	15 - 1392	AL536942, BE548158, BE616830, AW958533, BE313806, BF701742, AW131739, BE870702, AI936140, AI873483, AI304360, AI950915, AI241135, AW341617, BF919906, AV762271, AA977495, AI089670, AW083460, BF692986, R76461, AI434004, C16848, BE252098, AW103150, AA832329, AI687659, AA506456, AI367069, AA594648, AW972387, AA502016, AW972584, AA503348, AA878304, T89067, AI138816, R76774, AA356158, H01610, N90608, AW044382, AW389772, AW389777, AA380760, AA970110, AA912912, AA324782, BF115133, BE838596, AA678640, AA918356, AI565853, BF155376, and AF171017.
HHPSF70	1086	709665	1 - 1236	15 - 1250	AL536179, AL533946, AL533947, BE613134, BF343559, AV746302, BF966793, BF526420, AV723437, AI928515, BF035547, AW753303, BF034426, BF340849, AL037012, BF940225, BF725404, AV722341, AW291377, AV745305, AA446330, AI332363, AA443173, AV746253, BE326680, AI989804, AI089825, AI924756, AI423344, AW264140, AV745498, AI655012, AV745371, AI418141, AV745442, AI831023, AV746250, AI815927, AV751398, AV745783, AI598128, AV746136, AI685430, AV746047, AV745494, AA131952, AV724999, AI050790, N51854, N62627, AA131865, AA781772, AA293039, BE244781, AI816187, AV745512, AW162757, AL537797, AI167936, AV726539, AI003401, AI143672, AA148523, AI625601, AI445688, AL037633, AW900480, M62252, AA293431, AV745509, AV746086, AA457374, AA148774, AW892804, AW051680, H08939, AI262177, AW296899, AA446510, AA604202, AA719581, N78398, T15711, AV745470, H89097, Z44301, H08855, AV745322, H83746, BF530020, AW090772, AI880020, N45508, AA463482, D58472, AV746088, T33816, AA349403, R26136, BE612567, AA781761, AA018269,

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HHPSH74	1087	638185	1 - 2093	15 - 2107	AL040575, AL530413, BF969375, AV649284, U28688, AW953650, AV653323, AL041491, AV726782, AI003790, BG111282, BF439614, AW770872, BE734789, BE541123, AU154314, AL045483, AU154291, AU152036, BF684279, AA228073,

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HHPSL14	1088	847390	1 - 1160	15 - 1174	BF337594, AI565770, AI479945, AI193085, N85051, AC006440, AC011451, AL023876, and AC006039.
HHPSM40	1089	822904	1 - 2015	15 - 2029	BE090161, AC000127, AC000127, and AC000127.
HHPTF26	1090	857654	1 - 1021	15 - 1035	AW073879, AV729153, AV711992, AV758870, AW341978, AI962030, AA557911, AA284247, AW572721, AV760014, AI859438, AW265688, AI133083, AA916430, AW237905, BE242193, AA847499, BF845126, C15060, AW969831, AV754716, AA828834, AV761107, AI890324, R92658, AV760941, AW753399, AA569206, AI278130, AA758244, AW328202, AI282479, AA618316, AA614163, AL037632, AI679871, BF887154, BG029528, AV697659, AC004883, AL049697, AC011449, AC009470, U67810, AC020904, AL022165, U63630, AL121601, AC018751, AJ011930, AF317635, AL163300, AJ277546, AP000553, Z81357, AC011470, AC004867, AL353807, AC006077, AF109907, Z85987, AC004491, AC009516, AC006120, AC010620, AL008718, AC005236, AL022237, Z85996, AL078581, AL355385, AL049748, AC005088, AC007225, Y18000, AL133328, AL009181, AF168787, AC004030, AC005529, AC027319, AL136980, AC007193,

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HHSAD31	1091	609874	1 - 444	15 - 458	AC018737, and AC018737.
HHSAE74	1092	839473	1 - 1596	15 - 1610	AW139132, AL038713, AI685116, AA846188, AI610326, BE646447, BG059728, AI887321, BF689260, AI147839, AI453790, AI818151, AI367384, AI858607, AW157413, AW193992, AI439415, AL133942, AI610776, AI499286, AI921101, AI051341, AV730063, BE176566, AI973178, AI749571, AA129986, AI924175, AA778304, AA767353, AI246569, AW168798, AU146974, AI925647, AI984510, AU145383, BE165748, AI559442, AI061131, AU144339, AI264673, N26540, AI369914,

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HHSAG62	1093	847392	1 - 1071	15 - 1085	BE378874, AA737007, AW138715, AI659996, AI160453, AW005261, AA744815, AI200917, AA234970, AU159462, AI023620, AW470812, AI884770, R73182, AW204341, AI864496, AI678069, AI866490, AW511163, AI554306, BE300866, BF447880, BE247469, AA970701, AL044219, AI474100, AI521988, AI572090, AI393372, AI498065, BE048296, AW517150, AI703419, AW009245, AI678319, AW976678, AI561144, D80686, N41876, AW268668, AW117733, AW264604, R53184, R53091, BE859023, BE221725, AA857099, BE504661, AI654488, W04725, AI281562, W05348, AI202513, BE244286, AI128670, R73126, AI677749, T95612, AA366815, AW196656, T95713, AA743687, AI919193, AI623659, AI190876, AA721620, AI360761, AI675202, AA557690, W92674, D60601, AA236192, BE827753, D80953, BE837573, BG056314, AA782813, D60295, N49174, BE827724, AW879046, AA630196, AA039513, D61124, BF858140, BF194924, D81269, D60984, D80681, BE702962, AF078842, AK023960, AL096725, AK024110, AC018809, AC018809, and AC018809.
HHSAG17	1094	566827	1 - 896	15 - 910	AW673679, AL513991, AW161156, AL514657, BG029667, AL514129, BG179993, BG033723, BG026931, AI633125, AL514791, BF792961, AI174394, AL515373, BF812960, AI637584, AL037454, AV757293, AI627988, AV682001, BE621256, BG033199, AL513943, AI623682, AL042745, BG180608, AV726058, BG035511, AL513597, AL119791, AV712848, BG025079, BG252324, AL513977, AI783861, AW162194, AL043293, AL514015, AL135022, AI698391, BF970768, AV681990, AI254727, AI358701, BF970652, AW163464, AV764174, BE910373, AL515191, AL514793, AW983703, BF726862, AV732936, AL120853, AI687362, AI611743, BE619280, BG108406, AW151136, AI570861, BG163618, AV759235, AV733876, AI571439, AW160916, AA427700, BF724894, AL040827, AW169671, AL119863, AL046849, BG109125, BF969494, BF877325, AW983691, BF526020, AI521012, BG036846, AW198090, AL039086, AW023338, AW301409, AI537677, BE048238, BG110684, BG029829, BG114104, BF970658, AL514691, BG256592, AI207656, AL079963, BF764538, BE927769, AA225339, BE789764, BG168549, AL041294, AL513713, BF909758, AI498067, AL514473, AI619691, BG110517, BE047852, BF886638, AA640779, BF822127, AI909697, BF904263, AV703695, BG028818,

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HHSBJ92	1095	838604	1 - 1640	15 - 1654	<p>AA593745, BE504023, AI522104, AW955421, R61539, BE217765, AI693389, AW339978, BE045355, AI215927, AW105306, H41536, AI629005, BF063726, AI818494, AI870123, AW014556, AI871543, BF896419, AI160178, AW467106, BE503835, AA872837, BF896269, BF896270, D81760, AW087577, BF062911, AI910827, BE669431, BF062792, BF447756, AW129235, AI088034, AW129238, BF445029, AI445329, AW050716, AW771942, AI263734, AA211144, BF063713, BE066399, AI648367, AA361213, AI146585, AI399936, AI696453, AA211486, BF369284, AA354387, AA339674, AV727238, AV706223,</p>

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HHsBN84	1096	783070	1 - 1179	15 - 1193	BF526015, AL520956, BF446439, AW470117, AW044412, AV725461, AA445950, AW265503, BG054864, N59157, AV723663, AI538390, H46577, AW105475, AW337119, AW013946, BG055929, AA443347, H18977, BF364366, BE890233, BF344904, H47012, AA298217, AA912311, AA337340, BF834501, AI204974, H51387, BG009237, H19495, H19075, BE895714, BF928847, BE936272, H46576, H19578, AA445927, H23911, H51386, BE719870, AC004775, AF179995, AC005742, AF179996, U83980, AC004775, AC004775, and AC026794.
HHsCL24	1097	815660	1 - 969	15 - 983	AI939453, AI419478, AC020658, and AC020658.
HHsCQ67	1098	581061	1 - 833	15 - 847	AW339310, AW138421, AI096445, BG054758, AI460309, AI298906, AA028135, AA194540, N62510, BF943270, R51062, BF444969, AA989210, BE503741, AV721175, T96936, BF790352, F03197, Z41518, R09383, AI500195, R41509, R39003, N79410, F03549, AW973060, AW138420, AA028160, BF576403, AA211526, AA528221, AI088351, W94051, AI002925, BF090519, BE171598, AW867147, R17847, BF835920, AC009277, AC009277, AC009277, AP001270, and AP001270.
HHsCU12	1099	608277	1 - 268	15 - 282	AA527573, AW014742, and BF941377.
HHsDB43	1100	812510	1 - 2693	15 - 2707	AI767612, BE297156, BF930288, AW026199, AA843306, AI888602, AA436786, BE302098, AI435594, BE018490, AI200380, AW370838, BF057103, AW593459, AI422938, AI934533, BF516286, AI031897, AW466978, AI700713, AI539641, AW466910, AI963866, AW148755, BF923090, AA418348, AI804025, AI022717, AA844229, AA148947, AA890597, AW965943, AI703026, AW467414, AW376874, AA258099, AA024839, AA148946, AI367828, AA418234, AW576686, AV704326, AW952292, AI393642, AI274279, W22625, AW803694, AI034163, AV702729, AA917371, AW418921, AA677147, AA478824, AW276613, BF221680, AA052953,

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HHSDL07	1101	899430	1 - 415	15 - 429	BE965311, AI805937, AI423302, AI199565, AI674232, AI373573, BE881010, AI479717, AW172357, BG170186, AI423099, AW005988, AI498277, AI479444, AI392899, BF437753, AW594265, AI738487, AI937365, AI273612, AI762089, BF063775, BE796254, BE264161, AA843385, AI263152, AW001280, BF061376, AA232568, BE512986, AI969880, AI015123, AI015112, AA158791, BF115476, AI865576, AI363811, BF446963, C21054, BE292980, R68197, AW589709, BF343982, AA335730, AI758134, AI825116, AI954265, AI928600, BF478236, M91490, AW004003, AI869102, AW956071, BF940884, AA310331, R55863, AI611805, AI659813, AI826556, AA045102, BE730318, AA158790, AI628404, AI695937, AI967979, BF475630, BE621025, BE394139, AI492142, AA045131, AI937401, Z97653, Z97653, Z97653, and Z97653.
HHSDX07	1102	847393	1 - 1707	15 - 1721	BG250380, AI819062, BE877587, AW961540, AA218870, BE880142, AW137042, BF589424, AW021609, AI697789, AW268435, AW859986, AW752484, AU159649, AU154390, AI914414, AW859994, AA588155, AU151002, AU148839, BE856271, BF571164, AW500586, BF571923, AI624125, AI859524, AI086357, BG259270, BF667479, AW960460, AU153720, AI290998, AI805453, N30259, AA946796, AW470143, BE222474, N42226, AA464855, AI143590, AA453340, AI803728, AI092159, AI961984, AI418332, AA934617, AI038144, AA738469, AA191134, AA534880, AI090369, AI183953, AI928280, AA478622, AA478879, AA805995, AW969324, AI862306, AA747372, AI910417, AI279728, AI859003, AA022968, BF910659, AW083409, AW820411, AI971338, AW044259, BE090385, AA918968, AA461371,

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HHSFF54	1103	836149	1 - 1273	15 - 1287	BE889382, BF795103, BF025720, BF797254, BE906150, BE779331, BE906784, BF574740, BF574745, BE380147, BG178899, BE379708, BE783560, AV721911, AV682398, BF674384, AA431812, BF103723, BF030575, AV733030,

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HHSGB85	1104	783832	1 - 1276	15 - 1290	AF009754, BE562689, BE562751, BE378937, BE736631, BE736646, BE873547, BF570022, AW964615, BE539782, BE393564, AW960432, BF570293, AW195595, AA781158, BE393307, AW960423, AW082674, BF060666, BE378314, AI798965, AW195607, BE049430, BF002208, AI688657, AI866750, AW268730, AI090746, AI285982, AW612551, AI186259, AI300357, BE857578, AA907585, AI469472, AI308966, AI921429, AI366703, AI143676, AW662897, AI949969, AI369366, AI360029, AI356214, AI744751, AI920874, BF959419, AA947338, H14235, R17972, AA305657, AI916389, AI572682, AA321924, H28152, R37277, BF374021, AA429149, N39598, Z39682, AI279910, R54420, M62095, N46745, AW391256, F02898, AA883363, R54519, AA777626, Z43623, AF009785, AI475051, AI269819, AI364641, R43462, AA649630, AW190944, AA677494, AW166684, R12351, H30622, AI678360, AA484151, AW969840, BE781080, AC004228, AC004770, AB023171, AF086762, U73629, AJ132931, AR008408, AC004770, AC004770, AC004770, AC004228, AC004228, and U73629.
HHSGL84	1105	801913	1 - 1023	15 - 1037	AL133784, AI291362, AA648108, BE046923, N64753, AW969769, AA484137, BG005716, BE702251, D61027, D60630, D60194,

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HHTLH79	1106	754847	1 - 932	15 - 946	AC023844, and AC021677.
HIABC70	1107	838605	1 - 1622	15 - 1636	BE902198, BE538152, AW874392, BG231934, BF738568, BF359810, AI673392, AA348792, BF900822, BF869990, AI284000, AW265510, AI821312, AW024320, BF589770, AK025123, AF141332, AF141334, AC002544, AF141333, AC002425, AC005049, AC073316, AC007263, AL389897, AC018758, AC008389, AC004084, AC005231, AL031985, AC010609, AL031727, AC008812, AC005793, AC002544, AC002544, AC002544, AC002425, AC002425, AC008956, AC008956, AC008956, AC018556, and AC018556.
HIATG10	1108	857608	1 - 395	15 - 409	AA572743, AU144526, AI755057, AW904668, AK021572, AC007390, AC007390, and AC007390.
HIBCO70	1109	853360	1 - 1638	15 - 1652	BE797650, BE463523, BF245304, AI765566, BG150014, BE439553, AI885672, AI884618, BF063716, BF514336, AW044399, BF002492, AA552715, BE540877, AW957350, AW770007, AI469295, AA599267, AI650445, AA721644, AI927956, BE813965, BF095755, AA350181, AA093825, AA516329, AI458406, AW513931, AW450664, AI912964, BE772112, AW079354, AA091627, AW865968, AA350180, BE219114, BF920708, AL537913, AL532920, AW502031, F05999, R67189, H10277, H07012, D45280, AW814767, AW372019, H09633, BF895368, BF724615, AA302806, BF947181, BF956714, AV718092, R63058, BF966341, BF947167, AL048660, AA356321, R14207, AI282564, AI640320, AI287961, AK025859, U45956, E14793, and S65735.
HIBCR82	1110	610016	1 - 1514	15 - 1528	AW953237, AI676095, BF511194, AI804358, AI126821, N53408, AV709177, AW838182, AA350226, H05900, H13010, AA286807, AA804645, H92606, AA350225, H92269, H05154, R95427, C20785, BE701293, AC006534, AC006534, AC006534, AC023123, AC023123, and AC023123.
HIBDA41	1111	603909	1 - 1776	15 - 1790	AW593381, BF000487, AI261282, AI758903, BE856818, AI870470, AI128119, AI313369, AI334264, N55514, H73269, N71556, N71316, AA350421, R96422, AI375064, R69811, N71367, AU149925, D30866, BF793568, N77003, N99799, T80901, N99564, R87909, R86876, R60794, R96379, R60288, R88475, AW162314, AI244417, BE706265, AI889995, AW162332, AL041375, AI003068, AA180056, AI174703, AV763460, AV762541, AI889236, AI065031, F06690, AI890283, AU151751, AW963552, AW022796, AU146789, AA661583, AW501278, AW514844, BE882869,

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HISAN63	1116	797658	1 - 2110	15 - 2124	AL038837, AL037051, AL039074, AL039128, AL039109, AL039108, AL039659, AL045337, AL039625, AL039648, AL039629, AL039678, AL042909, AL040992, AL037726, AL036973, AL044407, AL038531, AL045353, AL039410, AL039538, AL039564, AL039156, AL044530, AL039566, AL039423, AL039509, AL045341, AL039386, AL036725, AL039150, AL039924, AL036196, AL036767, AL038025, AL036238, AL039085, AL043441, AV718002, AL036117, AL037639, AL038821, AL036765, AV743601, AV758878, AV717983, AL045794, AV746102, T24119, AL037615, AL037526, AL036679, T24112, AW013814, AV718844, AV738934, AL043422, AL036924, AV737584, BF294063, AV717989, AV717980, AV701782, AV718018, AV717988, AV731085, AL036158, AV718016, BF508972, AL036964, AL043445, AV701043, AW973200, AV700229, AV717966, AV745723, AV717972, AV718681, AW975143, AV717984, AV717960, AL037082, AW976625, AV745724, AL038851, AV718023, AL036418, AV717959, AV718858, AV717962, AL036733, AV717956, AV719000, AL037054, H00069, AV720464, AW064110, AV717963, AV735727, AL036190, AV701012, BE439760, AV745350, AL036268, AV701118, AV743654, AV717970, AV717941, AV722801, AV745917, AV740535, AV701017, AW979144, AV718006, AL043423, AL036191, T23947, AW975312, AL037027, AL037085, AV745080, AV718010, AW969322,

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HISAT78	1117	840961	1 - 2298	15 - 2312	<p>BG026276, BG259402, BF306944, AA570389, BG034712, BF204957, AW954950, AA628408, AI885041, BE299078, AA775796, BG257523, AA143345, AW268482, AA127867, BG115109, AA127723, AW953068, AA917093, AA776727, AW083266, AA476752, AA032244, BF793393, AW269441, AI130939, AI091872, AI082240, AW005095, AA127715, AI677906, AA476754, N59422, AW028725, W89015, AA824233, AI858939, W74250, BE855572, W67630, AI248997, AW662782, AA031471, AA885202, AI168327, AI859188, AA703322, AI880820, W24160, AI749093, AA694066,</p>

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HISBA38	1118	561711	1 - 1044	15 - 1058	<p>AA465219, AW968392, AA465303, AL042753, AV759518, BF868994, BG029528, BF725761, AI963720, AL037683, AA129746, AL041924, AV682003, AV763460, AL138455, AL079734, AV757289, AI282253, AA669155, BF827410, BE252421, AL042853, AV760391, AA760655, AL079447, AV760389, AV762395, AA551105, AI049643, BG164617, AL137020, AC006581, AL122023, AL022322, AC007436, AC004706, AB045357, AL035552, AP002532, AC022324, AL121869, AL109752, AC020559, AC006017, AL354943, AL121823, AF117829, AC018719, AL138832, AC010722, AL163206, AL138879, AC005250, AL163213, AL133517, AP000493, AC005539, AL139150, AC003029, AC009316, AC005002, AL133244, AL137818, AL031433, AC010081, Z97985, Z94722, AC025253, AL137918, AL121652, AC073881, AC004998, AL163201, AL137840, AL049835, AC006466,</p>

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HISBB66	1119	839808	1 - 2718	15 - 2732	BG164170, BE893348, BE739755, BF439851, BF439999, BF691337, BF115491, AW303275, BF446457, BE857621, AL519668, AI769372, AA286950, AI688576, BF245744, AI307770, AI359814, AW341260, AI457599, AI681623, BF592990, BE670476, AI636679, AI311667, AA630801, AI311126, AI275428, W93715, AW237003, AI955269, BE466164, AW576246, AI362127, AA703197, AI363282, AI760582, BF132602, N23576, BE669852, AI381294, H98854, BE551875, AA765306, AA884616, AI089207, AI139024, W69976, W93564, AW664823, AW474172, W69975, BF739822, AI206920, AW002503, AI457181, AI027011, AI284731, AA706129, AA910630, BE738976, AA496532, H73452, AA789077, R74208, H89688, AA805090, AW087256, R12404, AI420565, H61519, BF247573, AW594368, AI635521, R09785, R12376, AI446286, AA721417, AA286904, R09814, AI031706, BE842690, BF695576, AA337514, AA334991, AA337424, AW511050, AW182334, AW960779, AL529761, BE842693, W15210, AW958149, AI336151, AW900258, AC009331, U71267, AF091094, AX013186, U71268, AL389980, U71269, and AX013611.
HISCJ20	1120	531876	1 - 358	15 - 372	AL359255.
HISCK41	1121	581281	1 - 2029	15 - 2043	
HISCO45	1122	771682	1 - 1543	15 - 1557	AI921786, AV703422, BG254558, AV707366, AA057597, AV706909, AV703324, BE536340, AV704248, BE765423, AA447837, AV710471, BF435743, BF435141, BF115814, BF439399, AI168265, AV710745, AI418544, AW471070, AI860235, AA744882, AI143200, AI092280, AI674133, BF977215, AI801057, AI271542, AI129917, AW081948, AI298951, AA564823, AA516004, AV746959, AI142851, AA772284, AA181567, AA844065, AA610864, AA468700, W27236, AA724624, AI684930, AI024456, AI688361, AA447686, H45369, AI242556, BE832886, BF856286, AA182462, H87331, H85312, R18802, R13033, AA782667, AW238877, AI189371, W27431, AW150801, R43912, AI002662, BF678138, AA724852, H87864, Z39422, AA725367, BF930969, AW664726, BE835592, AI288601, BE702067, AI334338,

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HISEJ52	1123	886777	1 - 1685	15 - 1699	BG106330, AW129000, AW001907, AW071541, BF842078, BF765753, BF374211, BE274822, AA101169, BE729765, BF882799, AW149864, AA643170, AA082181, AW081015, BF332018, BF084115, BE183997, AW392996, AA923047, AA344751, AI760437, AW975143, AW970877, AW975607, AL036725, AL037051, Z99396, AW975261, AW975229, AW979228, AW973271, AW973200, AL038837, AW973241, AW979144, AW973808, AW979252, AW973189, AW975161, AW975925, AW972736, AW969783, AL039074, AW973097, AW973103, AW975163, AW973101, AW973780, AW973190, AW969803, AL039085, AW973202, AW973127, AW969782, AL039564, AW973781, AL039156, AL039108, AL039109, AW971417, AL039128, AW973772, AW970997, AW976511, AW973141, AL039659, AW969794, AW969714, AW975987, AA631969, AW969756, AL038531, AW975593, AW969768, AL037526, AW979236, AL039625, AL039648, AL045337, AL042909, AW973273, AL039678, AL039629, AL039150, AL039386, AL039423, AL040992, AL036924, AL038851, AW974990, AL036196, AL037726, AL039410, AL036767, AL036190, AL037094, AL037639, AL045353, AL037082, AL036973, AL037615, AL037077, AL044407, AF072441, AF061947, AP000352, AC009361, AF240786, AP000351, AB002328, AX046357, AR096545, AR064706, Y11449, Y11447, AR060234, AR073846, AX003207, A95051, AX006820, AX035632, AX035630, AX035631, AX035629, AX006819, AX006818, I68636, AX041094, AR066494, AR061736, Y17188, A81671, AR095491, AJ279014, Y11458, AR095490, A91754, AX026821, AR031374, A49700, AR031375, AX001325, AX001326, AX001323, AX001324, A58521, AR020969, AR054723, AX027925, AR071572, AF019720, A80951, AX047062, AR092424, S69292, I18371, D44443, AR025207, AX020190, AR017907, X68127, AB037923, AR036905, AJ244003, AJ244004, AJ244005, AX046223, A97211, A98767, AX006816, A93963, A93964, I63120, A38214, AX033488, AX033489, AX033490, A44171, I56772, I95540, AR018924, AX033474, AX033486, AX009712, AX033487, A63067, A51047, A63064, AR018923, A48774, A63072, I66495, A48775, AR068507, I66494, AR068506,

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HJABC58	1124	753272	1 - 1782	15 - 1796	AW862153, AW593103, AI374850, AA449334, AA621408, H07033, AA599760, AA355158, AA494471, D45462, H21905, Z25163, AA885003, AU147922, AL037910, BG057491, BF508097, AI016704, AA878149, AW962942, AA603323, AV733057, AA557486, BF725347, AL046782, AW268277, F17700, AI859834, AI538812, AA838140, AA424406, BG231179, BF964699, AI598003, BF475757, AI859280, AW955984, AW167154, AI053445, AL041083, AW997035, BG060130, AA468322, AV682490, AW973400, AW955986, AV759337, AW950271, AV764104, AL135698, AV733328, AW975095, AU120769, AI139895, AA346485, AV733352, AI347810, AA663966, BF108874, AI673731, AI002261, AL036283, AA814510, BE302974, AI079129, N22032, AA491807, W23546, AW265138, AI050007, BF057326, AW028908, AU158128, AL079834, H05073, AW274078, AI342622, N69688, BE275380, AW574976, BF796375, AI870197, AI049831, AA564561, AA126035, AI797998, T03900, AI708444, AA830594, AI597832, AA526193, AA613627, AL117474, AL022165, AC004500, AL121989, AL049694, AC005599, AC005520, AC008745, AC024576, AC004685, AC003042, AL109758, AC008747, AL139092, AC024952, AP001729, AC021876, AP000552,

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HJABG59	1125	855949	1 - 1521	15 - 1535	AA355360, AC073141, and AC015471.
HJABR75	1126	825608	1 - 1314	15 - 1328	AA310146, AW958503, AA404234, and AA401260.
HJABS31	1127	825607	1 - 1218	15 - 1232	BG170897, AW957838, AW957915, AW958504, BE931691, AA313686, AL521434, AW957913, AW391898, BF898638, AA310188, BF089931, AW372096, AA259109, N28734, BE876705, H30439, AV706215, BF898636, AA354877, AW499821, BF476855, AV715139, BF238788, AW630500, AW609815, BE093047, BE093059, AA423913, BF892740, AA247625, BF898660, BE762925, BF801598, AA953888, BF674382, AJ010346, AJ010347, AL133621, AL138966, and AL138736.
HJABT12	1128	602861	1 - 543	15 - 557	AA310178, AA135682, AI425067, AI911326, AI858716, AA135595, and AA651788.
HJACE25	1129	835517	1 - 1306	15 - 1320	AA732444, AL110457, AI419081, AL536211, AV713684, AW962255, BF002236, BF038049, AA311008, BF684471, BE502178, AW027795, AI521613, BF683573, AI282709, N30086, AI991355, AI694158, BE326897, H81916, BG120150, AI918715, BE273891, AA313089, N40873, AI282428, AW198215, BE274657, W95689, AI363932, BE894873, BG257835, AA278139, BE385279, AW968568, AA767732, AW975618, AV724520, AW968743, AV718489, AV699550, D80391, AW966053, C14429, D80196, AV722801, AW949645, AV718692, AV720731, AV719188, AW959202, AV718633, AW960553, AW949656, D51423, D80227, AW978634, D59787, C14331, D51799, AW973541, AV718440, AV720028, D80038, AW973485, D59859, AV699447, AV720211, AV718844, D80166, AV719557, AW978661, AW966531, AW975605, AW966534, D80253, AV718931, D59619, AW959628, D80210, D80240, AV719822, AW973307, AV719324, D58283, AW960465, AV723927, AW959136, AW949642, D80188, D59467, AW966013, D80212, D80269, AV720791, AV720203, AW966041, D81030, D57483, D80195, D59889, AW975621, D80219, AW966062, AW959799, D59610, AW966054, AW966050, D80043, AV719783, AW959597, AW965177, AW959570, AV718800, AV699927, AV720464, AV718770, AW964488, AW949641, AV718938, D59502, AV721386, D59927, AW966043, AW959062, AW949629, AW949653, AW949631, AW949643, AW949618, D80022, AW949657, AW949655, D59275, D80193, AV720812, AV700889, D80366, AV723097, D80241, AW966022, AV719468, AW949654, AW965158,

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HJACK21	1130	664506	1 - 1257	15 - 1271	BE889764, AW964443, BF309889, BF154847, AI475171, AA633943, BE818581, AI206488, N39060, AA311529, BE838110, AA553694, BF908898, BF958196, AV709760, N48416, AA578750, AA629724, AA318891, BF934117, AA317711, BE830939, N30674, Z28717, AA507053, BE702315, BG230732, T90743, T90750, AA922127, AI989379, AW853026, BE769274, BF681046, AW297594, AA707085, BG058036, AB007957, and AJ009640.
HJBCG74	1131	839361	1 - 2441	15 - 2455	AV756403, AL531156, AW961214, BE908906, BG176753, BG109863, BE895200, BF968487, AW956322, BE466999, BF572089, BE673642, AI743985, AA928692, BF439683, AI819348, BF383076, AI432127, BE048544, BG166045, AI738456, AL531157, AW611796, AI479564, AI022947, AI630323, AI304409, AA932083, AA666012, AV647171, AW204904, AI537186, AI915800, AI474316, AI804251, AI631358, H82353, AA315402, AI631353, AW271478, F12482, AA312011, N22598, AA161161, BF132219, AW827102, R46383, AW243689, AA878054, W56133, Z40249, AA376286, F10100, H00518, BG003230, BE003825, T88941, AV750441, AA161160, BE298392, Z44288, R21335, BF807874, AF084943, AL050356, AF084944, AF046914, AF012714, AF046908, AB041574, and AR096468.
HJBCO21	1132	695727	1 - 573	15 - 587	BE903730, BE856894, BG031198, BE274775, BE392986, BE731794, BE281210, BE902881, AI937021, BF124917, BF125296, AI142089, BE268783, AI830888, AA316678, AI536966, AI184757, AA595467, AI684336, AI085722, AA948053, AI051704, AA312230, AI879919, AI571415, AI081163, AI493513, AI494389, BE937133, AA292902, AI334931, AI094698, AA100071, AA687862, BF818912, F32795, BF845471, AA099438, AI358636, AA879115, AA804193, AA100148, BG105372, AA894578, AA552494, R96465, AV742291, F37009, AA099479, AI268640, AI304866, AA513429, AA581118, AI708047, AA247881, BF890847, AA507473, AA373032, F21367, AA279014, AI216820, AA581143, AI591039, AI380568, AA857524, R12395, BF154966, AA401736, AA918417, AA301466, AA730669, AA373703, AI971055, BE076415, AA471327, AI005650, R09806, AW193649, AW947271, AW008928, AW869421, AA654076, BG059124, BG059311, R94928, T86155, R92142, BE163673, AF004164, T78635, AI620153, AI086235, BE694933, AW021662, AI521799, AA713511, AA713851, BF814360, BF906762, AA504514, AW083804, AI287476, BE393551, BG168185, AA999906, BE964497, AI918634, AI934000,

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HJBCQ40	1133	831119	1 - 1055	15 - 1069	BG258766, BE869327, AW394038, AW157294, AW394036, BF795374, AA306435, AW163057, AW157089, AI878985, AW162479, BE781381, AA311937, AI879487, BG115099, AA306611, AW610254, AW403413, BF240145, AW407973, AA312498, BE784103, AA310305, BF031478, AA120901, AW163350, W21240, R18124, AA971457, AI223218, AA377328, AW964009, AA332342, BG119548, AA248513, AA360185, AI690275, BF217794, AW362967, AW362956, AW753912, AW362951, AW362962, AW362949, AW362950, AW362965, AW362974, N91094, AC011667, AC012052, and AC012052.
HJBDM36	1134	773168	1 - 2763	15 - 2777	AL524050, BE792077, BE735554, BE379529, BE792456, BF027049, BE909158, BE799708,

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HJMAF30	1135	638188	1 - 589	15 - 603	AI090108, AW805567, BF516195, BF059367, BF130185, BF695009, BE536283, AA810218, AA513307, BE566197, AW028090, AW962984, AI572270, BE542187, AW451013, BE541674, BF217440, BG165010, AI373062, BF244913, AI492435, BF740078, AI141965, AI161216, AI952357, AI420596, AI804945, AI123032, AI478408, AI830622, AI984276, AA588635, AW612168, AW517645, BF110127, C15098, BF195923, BE539564, AI580816, AA430124, BF218455, AW628147, AA902480, AI611205, AI928306, AI824182, AA368086, AA731886, AA358722, BF217024, BF219365, AA732765, BF217940, BF978380, BE706819, AW383478, AA470116, AI928316, AW383528, AA358723, AW383489, BE739311, BF573026, AL046849, BF131771, BE738867, BF675829, BE542005, AW609899, AI075391, AA974899, BE175114, AI630005, BE540675, AC008126, AP001207, AP000426, AC016258, AC016258, and AC016258.
HJMAM72	1136	638189	1 - 389	15 - 403	AI471761, BF438868, AI247900, AL043569, AI018170, AI866145, BF209668, AC004817, and AC004817.
HJMAZ60	1137	844796	1 - 2954	15 - 2968	BE794376, AL524275, BE733575, BE747361, BE739678, BE410063, AL120741, BE514457, BE734791, BF568768, BE268430, BF338542, BF569723, BE560557, BF309451, BF568606, BF982431, BE735240, BE561924, BE301945, BG036450, BG167204, AV709612, BF345737, BE778057, AA573741, BE739751, AW409804, BE773007, AA191552, W93042, BF000624, BE515009, BE738893, BE857434, AW575471, AV701920, AW402618, AW409704, AA496304, AW073345, AL524276, BG034924, AW300845, BG142167, BF307310, BF983165, AW750275, AA744892, N39760, AW176264, AI498051, AA419262, AA932846, AA632390, AA504894, AI564499, AI128977, BE561603, AA737814, AA419313, AA565758, BE905564, BE621292, N26317, AW291428, AA533063, AW957056, BG006101, AI375164, BE738972, AA662704, AA935484, AA128486, AI266104, N32937, N42608, AA307525, AI272853, AI354318, AA565783, N35109, AA191421, BG231901, AI091816, W24942, N62754, AA113164, AW606259, BF058440, BE397637, AI139914, R35445,

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HJMBB20	1138	824264	1 - 3007	15 - 3021	<p>AI828035, AV756210, BG107993, AI968420, BE047020, BG150262, BE786223, BF691749, AW958490, AV717340, AV655712, AW960128, AI768354, AW003044, AI735590, BG165299, BF690890, BE349107, BG107088, BG257125, AI651001, AW515983, BF541178, BE617430, AI813895, AI436214, AA741569, AA723133, AI814882, BF063514, AI566749, AI128036, BG107549, BF666388, BF679448, AI859424, BF577234, AI982852, AI394110, BG169549, AW338570,</p>

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HJMBB20	1139	842673	1 - 3939	15 - 3953	AI828035, BG252052, AV756210, AU123887,

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HJMBB20	1140	844890	1 - 3939	15 - 3953	AI828035, BG252052, AV756210, AU123887, BG107993, AI968420, BE047020, BG150262, BE786223, BF691749, AW958490, AV717340, AV655712, AW960128, AV701078, AI768354, AW003044, AI735590, BG165299, BF690890, BE349107, BG107088, AI651001, BG257125, AW515983, AI813895, BF541178, BE617430, AA741569, AI436214, AA723133, AI814882, BF063514, AI566749, AI128036, BG107549, BF666388, BF679448, AI859424, AI982852, BF577234, AI394110, BG169549, AA810931, AW338570, AW074858, AI828365, AI889331, BF131909, AA465301, AA831595, AI824327, AI634792, AA521126, BF213612, BE564665, AW468778, AI609953, AI812079, BF031870, AW470768, AA004609, AI184940, BF572774, N39485, N26796, AI457283, AW150907, R70874, AI004766, BF218788, AI494513, AA767032, AA641746, AA134551, D11999, AA134550, AI301679, AW590980, W27345, AW338976, AW513317, AA243523, BF690968, AW337156, BF130452, AW043788, AW073234, BF031489, AV755560, AA223397, BF028390, AI870556, AA188081, AW504907, AA810250, AI952343, BF216538, AW769116, AA223681, R73730, BF062111, AI459188, AW025640, AW387525, AW387578, AA765139, AW387698, AA713955, AA309793, AW630168, N55743, AI383124, AI547174, BE241520, D30931, AI829859, AW006835, AF136409, AV749644, AI921668, AA385103, BG165879, AI610092, AI568100, AA210803, AI362611, R73649, AI921603, AW958115, AW961433, AI792960, R70875, AA766608, AA042801, T93982, AA598568, AA366731, AW999671, AA095711, T93306, AA074968, AV758414, AA329172, AI928011, AI366895, AA766506, AA974976, AA248504, AA553516, AA182001, BF089724, AI954039, AA248975, AI564468, BE241647, BE087801, AI174635, T18521, BF102880, BE247156, BF103415, AW999094, AL514473, AL514627, AL514791, AL514087, AI554821, AL514015, AI678409, AL513597, AL513631, AL513817, AL514691, AL514919, AI890907, BF904258, AL514623, BG257535, AL514721, AI927233, AL514511, AI539800, BF868489, AL514457, AI539260, BE966577, AL513779, AL513781, AI241901, AI312542, AL513991, AL513911, AL513979, AL514543,

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HJMBK59	1141	664490	1 - 644	15 - 658	AI953810, AI129809, AI885858, AI870788, AI829898, AI955632, AI564792, AI122606, AW157366, AI911811, AA730184, AI185062, AI802481, AI570409, AA563604, BG253529, AA400320, AI143126, AI149092, BF967607, BF220253, BE410208, AA622255, AI333841, AA888035, BE314692, BF976373, AA766139, AA825537, AI936897, AA663424, BG110096, AA136832, AI418088, AA973565, AA480592, W96400, AI302864, AA236962, AI017242, W26651, AI420578, AA476581, W96401, BF967534, AI199168, AA643160, BE746163, AA708947, AA936241, AW249833, AI039396, AI678320, AA149101, N70871, AA075409, BE538985, W45670, AI266334, BF973443, N29362, BG058797, AI310750, H45292, AA211786, AA580627, AW953496, W45669, AA742922, AL040741, AA976411, BE881663, N25913, AA075377, AI014635, W96395, T96655, BF343133, BE252342, AI003956, Z25390, BF686440, AW393763, AA132010, AW406060, BF725696, W06828, AA428212, F26918, F34981, AA721104, AV706882, BE314340, AA770101, AA236751, AA400637, BE710222, AA864444, N47909, AW248354, T85675, R08743, AA890232, BF219701, F00418, BE932227, W27928, AA132098, R08744, H91864, T91253, BE266040, BF881205, BE710203, H45367, AI808557, AI382823, AA658015, AW884904, BE833741, AA429822, BE932280, AW161839, AA857244, AL513803, AL515041, BF685529, AL047042, AI349772, AL513597, AL119049, BF968041, BF054789, AL513907, AV704928, AL514627, BG058208, BF673434, AW071349, BF724691, AW195406, BE785905, AW827203, BF795712, AL513763, BG108147, AI349645, AL514935, AV755581, BE964812, AV723204, AI868831, AL514803, AL121270, AV758806, AV682266, AV681951, AV655645, AW162071, AV710479, AV682441,

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HJMBP01	1142	638190	1 - 619	15 - 633	<p>BE794262, BF513528, T87074, BF511141, AI041357, AU150512, AI092498, N98780, BF510224, AI865484, AI092779, AI127046, AW449614, AA983549, AW449890, AA722618, BF216378, H01176, BG119433, W31379, AW051637, BG026514, BG248347, AI299177, AI277337, T87073, AW291750, AA054704, AW342036, AA053139, N25835, AA962740, AA657605, AW374000, AI371426, BF310661, AI303007, AA934482, AI948425, BE440006, AI309289, AW874395, BE271728, AW749583, W95793, BF909052, AW749576, AA903577, AI453622, AW749554, AA934688, AI469932, AA947927, BE261359, AA878925, AW592818, AW778814, BE257692, AI300158, BE378983, BE904996, AA044799, AA872710, BE879729, BE567185, BE740887, BG111960, BE251176, BF035847, BG109710, BE258999, BE383397, AA044747, AA058505, AV716604, AV681938, BE620053, BF036166, AW374030, AW384982, AV710056, AW300782, AA912713, AI921790, AW300889, AW374003, AI143381, N92290, W95680, BE294553, AW601910, BF310228, AV712772, AA055227, AA055226, BF312584, AV713230, BF304421,</p>

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HJMBQ17	1143	840456	1 - 261	15 - 275	AI139584, AI085701, AW954426, AI086926, AI927728, AW016587, AI343741, R42632, AI769583, AA877474, AI086492, AI740970, AI129368, AI363021, AI302609, AA122062, AA861475, AI333509, AA587400, AI129882, AA651623, AI312943, W68628, AW001167, AI081993, AI031638, AW511212, AA536154, AA122073, AI189687, BF593787, AA464188, AI190062, N24851, N29841, BG057294, C20975, T54298, T53429, N98757, AA464781, AW293408, BG222503, AI356953, AW572561, AI432962, AI969573, BE045761, AW337187, AI597787,

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HJMBW62	1144	589962	1 - 1425	15 - 1439	AI961498, AL035460, and AL035460.
HJMBX54	1145	621356	1 - 1006	15 - 1020	BF343211, AC013644, AC013644, AC055747, and AC055747.
HJPAF69	1146	589794	1 - 1062	15 - 1076	AA356856, AW806839, AI267356, AA515728, AA904211, AI267450, AI282253, AI801505, T74524, AW237905, BE063437, AW970571, AA916430, AI253376, AI890324, AV647070, BG222875, AI590906, AI355559, AL118676, AI284640, AA501867, BG059314, AW973992, BF997771, AI679759, AV701116, AL079734, F36273, AA559241, AI049868, AI251576, AW976024, AI859011, W45306, BE395467, AV763026, AV763058, AW069769, AI609972, AV760937, AL041894, AA503298, AI223626, AW023111, AA641122, R83708, AW341903, AA630854, AI744997, AA598954, BE047069, AI306232, H68343, AA502991, AI732483, N23504, AV762139, AA862243, BF744666, AA687730, AI583466, AW068596, AW069227, AA533025, AA507993, AV758870, BE328656, BF991208, AV655282, AI049630, AI039089, AI431303, AI339850, BE153364, AV764259, BF805088, AA601492, AA452887, AA598892, AI872229, AA581247, BF968874, AV682003, AA297145, AW242031, BF942454, AA679523, AI589942, AW063143, AI929531, AP001715, AP000039, AP000107, AP000280, AC005071, AP001711, AC005080, AL049691, AL121985, AP000133, AC004659, AP000211, AC004832, AC005773, AL354685, AP001713, Z84480, AL121838, AC004878, AC011464, AL133344, AC006337, AC004825, AL008710, AP000102, AL031291, AC008556, AC013434, AP001625, AL008709, AL035671, AC018719, AC004673, AC004025, AL096817, AP001719, AC004485, AL035670, Z99758, AP000033, Z97987, AC005047, AF131215, AL008627, AC005324, AC012380, AP001747, AC006013, AC002288, AL008716, U95740, AL096862, AL121984, AC009039, AP000563, AL109797, AC004985, AC004491, AC016144, AL137063, AL021877, AC005192, AL160033, AC003085, AF107885, AC005277, AC007205, AL049633, AC009756, AP001671, AP001700, AC007619, AC004973, AL138770, AL133500, Z97629, AL132656, AC068312, AC022308, AC007749, AC009305, AL031118, AC018645, AL049591, AC008281, AL138756, AC008924, AC009721, AC008151, AL121655, AL138707,

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HJPAQ19	1147	566832	1 - 1095	15 - 1109	BE311969, BG029679, BE799582, BE891294, BG105307, AW965137, BG031301, BF207686, BE265543, AW369227, AW369070, AW369148, AW369079, AW369178, BF668620, BF700890, BF246147, AI132997, BE887221, AA909407, AL035939, AI269117, BF218596, BE265257, AW603075, BF208617, W21827, AI309011, AA806279, AW404763, AW769203, AA588305, AA969421, AA903278, AA688038, AI161184, AU121571, AW610542, BG165362, T49713, AA204988, AA205044, AV652416, AA308353, H94380, C14579, AA091050, AI630305, C15311, BE167479, T49712, T32554, BE740858, F37284, AW582816, F31188, AW878300, AI267632, C00081, Z20416, T97758, AA253250, AV742364, AW291005, BF509658, AA253121, AW513866, BF087273, AW969323,

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HJPAZ35	1148	845379	1 - 1949	15 - 1963	BE614396, BE262436, BE622976, BE734320, BE314528, BE253835, BE312723, BE900570, BE250151, AI003066, BG031275, BE741443, BF569188, BE742211, BE314384, AW409903, BF690063, BE378576, BE796451, BE562843, BE799448, AW327734, BE250208, AW959440, BF304987, BG117537, BE797494, BE747567, AV715137, BF313457, BF690540, BE742480, BE744998, BF688922, BF528237, BF794975, BE300092, BE744910, BE249903, BE747155, BF033054, BF308494, BE865456, BF975833, BF795074, BG029702, BE676711, BE745432, BG171725, BE260460, BE250352, BF316017, BF796355, BE298715, BG111211, BF968197, BF314700, BF970539, BE259231, AV718124, BE515154, BF307967, BF797976, BF311164, BF313637, BF035371, BF568241, BG250528, BE293490, BE253870, BE263414, BE882213, BG165507, BG034099, BE535728, BF667362, BF128624, BF311843, BE743207, BF568622, AW327266, BF306982, BG112694, BE898452, BE260048, BE744236, BE889917, BE781170, BE541367, BF970467, BE784356, BE536574, BE615057, BF094757, BE620074, BF315242, BF129042, BE737179, AI982744, BF312237, BE780828, AW994039, BG165816, BG106176, BE727855, BE259846, BE314269, BE542445, BE263110, AW160355, BG027194, BE536735, AW994431, BE207016, BE547556, AI625553, BE271429, BF341684, BF686273, BE742852, BG117070, BE258517, BG110803, BE299991, BE257177, BF317263, BF205279, BE390842, BF982979, BG118847, BF973171, BE206844, BE298494, BF983326, BE544019, BG031332, AW157170, BE620611, BE744524, BF568783, BE782038, BE901859, AW160966, BE253985, BE312844, BE253520, BE280247, AW250087, AW194298, AW386163, BE888484, BF978132, BE297210, AW410863, BF316778, BE313933, BE263479, BE276645, BE395922, BE868303, BE350583, BF309085, BF688695, BE269877, AW896399, BE538755, BE257309, BF314898, AW410812, BE566910, BE182085, BF979209, BE295892, BE541734, BF966674, AW163144, BF238002, BE891808, BG253513, BE392754, BF315753, BE254551, BE280042, BE778503, AV762617, AW304883, AA205439, BE391200, BE313688, AW860515, AV705636, BE258581, BF568543, BF698390, BF689638, BE392845, AW994410, BE258905, AI635877, AW262250, BF794430, BF317197, BE393962,

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HJPBI77	1149	602875	1 - 794	15 - 808	AW612605, AW298304, AW957786, AW957863, AA307267, T52159, BF328564, AI392710, AW889348, and AI026771.
HJPBN96	1150	610087	1 - 1022	15 - 1036	AL523744, AL518417, BE738588, BF343630, BE872564, AW378155, BE614414, AW604406, AL516298, AF121180, AW370146, AW378241, BG121292, BG252058, BE545185, BG169715, BE888542, AW378176, AW966070, AW378238, AW748330, AL522350, AW245656, BE871390, AW378240, AW748329, AW378233, BG250164, BE546410, BF807840, BE784381, AW954718, AA522530, AL520419, AL536079, BE546574, AW352433, AW370144, H40708, BF683301, AW370162, AW073128, BG168704, W29115, AW352434, BE545344, BF526830, AW876927, AW378136, BE544219, AW378167, AA779698, AI435833, AW574777, AW574776, AA419606, BE696081, AA604253, AL523745, AI417546, BF589266, AL518139, AA001456, AI095039, AA576999, AA102640, BF215342, AW378139, BE696066, AA190486, AA856578, BF341544, AI937287, AA056329, AA669335, AL518418, AA520984, AW006110, AA031658, AL536080, AA533627, AA156568, BE273477, AI498922, AL520420, AW027280, AA016189, AW378231, AW361385, AI884745, AA838222, AA548372, BG117204, AA973742, AI083719, AA668780, BG260098, H06492, AA135206, AW378173, AA748351, AA017476, AA021123, W96135, BE880249, AA618602, AA643059, AI149145, BG236134, AI224159, AA411709, AI459590, N71755, AA428585, BF477479, AA923484, AA729826, AA430505, AI301333, BE044381, AA903993, AA599035, AI609698, AA782736, AA019443, AA968939, AA417650, AA429539, AA227565, AA826910, BE301209, T30788, AA568471, AI298959, AA059113, F20504, T33341, AI335856, AI423965, Z41712, AA035574, AI721035, W92466, AA670172, AA977546, AA054248, AA256047, AW366242, BE888365, AI280684, F27507, H84005, BE301108, AA453677, AI933378, AV708418, BE616605, H86072, AW366248, AA568809, BE546543, BE543362, AL532448, AA028068, AA157740, F36765, AI828635, BE616497,

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HJPBU47	1151	824063	1 - 924	15 - 938	BF984142, AW340703, BF339766, BE299597, BF316076, BG181159, BF314271, BE619906, BF978586, AW163077, AW183669, BG178708, AW157021, AI380328, BF317490, BF304399, AI050727, AI769139, AI028216, AI185353, AI653528, AI336379, AI918120, AI126643, AA873512, AI653521, BF030243, H94869, AI283420, AI290340, AI624902, D81975, AW969757, AA448990, AI250288, AW102845, BE620041, AA991216, AA483881, BE394518, AA513827, AA769225, N30390, AA449456, BG253724, AI016374, AI186317, BE396442, BE300433, AW072150, AW163682, AW161527, AI867296, BE742196, BE730561, BF312083, AI168843, BE893088, AA252039, BE384772, BF204301, AI357212, BF315466, BE904105, AA494498, BE389850, AW276958, BE382788, BF313271, H61331, AA434501, BE273885, BF182684, BE312799, BE259764, BE910676, AW770459, BE299086, BE277668, AA434403, BF308426, BF317362, AI582109, AI743413, AI341286, AI873023, AI499777, R24889, AI199286, R32446, R78249, BE544701, AL530204, H62365, BG025443, R23006, BE313915, BF666784, AI471403, BE383870, R22904, AI582656,

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HJPCQ19	1152	566853	1 - 888	15 - 902	BF309170, BF958962, AW887773, AW139448, and AB002339.
HJPDJ08	1153	561423	1 - 1030	15 - 1044	AL139809, and AL139809.
HJPDK61	1154	844034	1 - 1403	15 - 1417	AL523131, BG261097, BF340183, BF305691, BF035093, BF303873, AW196621, BF306489, BG121861, AI870592, BF311037, BE205899, BF315962, BF369701, AI418236, BE672680, BF304287, BG055835, BF431529, AA341046, AW139473, BF090415, BG104844, BF059456, AI632174, AI968214, AI970377, BF378475, BE261334, BF437294, AA302039, AW796541, AL523132, BE937882, BE746585, AW367194, AA835104, BF758565, AI990177, BE825241, BE019361, BE206717, AB029017, AL136108, AL136108, and AL136108.
HKABI53	1155	805966	1 - 1363	15 - 1377	BE617612, AI205950, AA902906, BE616962, BF027237, BG167503, BF026449, BE410128, BE218892, AA399382, BE274821, BG036349, BE799280, AW749568, AA148094, BE792699, BF589158, BF744105, AA631171, AI393835, AA148230, AI804445, AW801478, AI161117, AA947878, AA725241, AA515872, AI688507, AA777296, AA557454, BE219208, BF083428, AI917199, AA278773, AI971747, AA179905, BF590206, AW801735, AA179914, AA315840, AI810377, AA179904, C04799, AA179633, AA055854, BF881591, AA580316, BF248122, T96129, AA179913, AI802651, AA936700, AA644238, AA159015, AA659777, AA703106, BF131412,

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HKABN63	1156	566840	1 - 891	15 - 905	AL520953, AL520954, BE793958, BE315254, BE797471, BE794393, BE894674, BE799784, BE792314, BE562228, BF316745, BE793817, BE787675, BE799649, BE263969, AW082298, BE382325, BG236380, BE264300, BE646208, AA760767, AW250699, BE295932, BE251045, AA996052, AI991065, AW080669, AI803794, AW245264, AI608801, AW246835, AI261754, BF035953, AW247599, AA456365, AW451671, AA281418, AL524721, AL524720, and U27341.
HKACA25	1157	824087	1 - 1874	15 - 1888	BE615963, BG122342, BG250122, BE616412, BE280272, BG104754, BE735489, BF793087, AW935122, BF104812, AW517695, BE868608, BF846692, AI814771, BF334272, BE871740, AI922111, AW058407, AW390423, BG167258, AI924095, AI814767, AA451633, AW473537, AI034414, AA450228, R81277, AW838548, AW118978, AW275144, BF916432, BE091141, BF917148, AW044591, AW008093, AA780046, AI538779, AW593635, AA196824, AA877143, AW265498, AI619953, AI452814, AW512739, R79290, AI738813, N54909, AW516975, AA988666, BE927955, BE927881, AI660629, R74123, BE183948, BF811307, AA594510, AI146725, AI934085, AI217536, AI923135, AI261914, AI799264, AI928406, AI278896, AA642887, BE089587,

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HKACO64	1158	897591	1 - 1885	15 - 1899	W73821, AA706316, AI131566, BE348996, AI807653, AW001367, AI141167, AI243460, AA854719, W73855, AI161236, AW129599, AA156530, AW009909, AI144221, AI148339, BF433989, AI092860, AA740424, AI127118, AA846828, W95733, AI207836, AI150077, AW009219, BF055504, AI920791, W94659, BE208727, AI092290, AI160306, AI146274, AA480817, AI093208, W02504, AI884343, AI090543, AI659437, BE616501, AA683607, AA457707, W69100, W68306, AI201606, W92535, AA732945, AI968950, AA025788, AA723266, AI191440, W69381, AI040335, BF805696, W69101, AI140412, AI276343, AI288161, W68286, AW959706, AA559049, W95987, AI240970, AI217041, AA733131, AI311411, AI123650, W58747, BE315037, AA025948, AA369872, W35291, T84463, AA369873, AI914430, W94668, AA022504, AA897755, W95776, BG178550, AA369987, W25575, C00662, AW002963, BF037291, BE393000, W69380, AI915707, H45934, BE393846, BE562668, BE562709, AA777022, AD001502, AF086315, AL162430, and AC022517.
HKACP50	1159	828243	1 - 1973	15 - 1987	AW500702, AI803940, W19914, AA939035, AI168350, AL133716, AA256879, BF086224, AI376785, AA613433, AI589424, N91260, AA292100, AA292099, AI766258, H06234, R56153, AA255473, Z42829, R34911, R49303, AA995671, R56040, AA370356, Z38971, R35618, BE930200, AW891535, BF366171, AW190510, BF366181, AL117352, AL117352, AL117352, and AL117352.
HKACX90	1160	604042	1 - 892	15 - 906	BF684524, BF340318, BG107767, AA497123, BF681126, BE250611, BF673679, AI925369, BE778532, BE250414, AI193675, AA497045, BF516348, AA001314, AI125248, AW301040, AA039474, AW613821, AW630056, AA063616, AI306650, N91255, AW627576, AW515210, AW970517, BF109644, AA039475, AI991147, N92376, AI128891,

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HKADI27	1161	102817 7	1 - 4583	15 - 4597	BF968958, AI650349, BF970329, BG164727, BF338432, AW967584, BF666849, BF697067, AA877499, BG116958, BE971195, AU150627, BF700986, AA761166, AL120532, AI587307, AI079253, AI093091, AW673321, BF977388, AW875210, AI769686, AI050667, AA826264, AI278422, AI278417, BF093837, AI372945, AA250932, W15253, H80483, N49198, W39173, AA894448, AA251061, BF735793, AW591796, AU128326, Z21185, AA975408, BF735646, AA247168, AA313041, Z21307, AI743863, AA846588, AA360755, H81402, AI650555, AI823521, AW043656, BF744240, AV723231, BE006961, BF735690, AK022900, AF023657, AF116659, and AC002554.
HKADN26	1162	802131	1 - 544	15 - 558	AW081357, BF589250, F24949, AW001443, AI375519, BE221442, AW009695, AI077335, AI285080, BF000391, BE675465, AI660805, AI208242, AW338458, AI624248, BF589458, BF062309, AI744350, AI763399, AA405378, BF432343, AW170114, AI950910, AW002954, BE858739, AI797851, BE675484, AA505623, T15428, AW235203, BF589148, AA868544, AI886842, AW079986, AI423893, AI684385, AA252759, AA765154, AI356189, BG163340, AI167520, BG056031, F24114, T05643, AW024216, AW951994, BG056839, AI694884, AW083773, AI401013, AI476057, AA935825, AI219974, AW518766, AI283737, BF436421, BF935697, AL043421, BE328322, AW627599, AI863823, BG056535, AI857287, AI537225, AI214316, AW026733, R09706, AA932828, AI673345, AW468351, AI825807, BG033101, AW117756, AA742196, AI638362, BF516079, N25086, R71934, AA862151, AA578014, AI857279, AA302182, AW975618, AW966053, AV724520, AV718489, D80227, AV719188, AV699550, AW966013, AW960553, AW973485, AW966534, C14429, AW966062, AV720211, D80269, AV719468, AV718800, AV699927, AV723927, AW975621, D80166, D80195, AW966531, AW978634, AW966054, AW966041, C14331, D80193, AV719783, AW959570, AV720791, AW966050, AV720464, D58283, D59502, AW959597, AV718633, AW959628, AW949641, AV720203, D51799, D59927, AV720731, D51423, D59619, D80210, D80391, D80240, D80253, AV719822, AV718692, AW973307, AW959202, AV719324, AV718440, AV720028, AV722801, AW965177,

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HKADP79	1163	754688	1 - 1428	15 - 1442	AW969372, BE736971, N22751, BF529913,

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HKADT55	1164	668243	1 - 1214	15 - 1228	AL514547, BF313897, AW090296, BG118770, AW304430, AV701732, BE551200, AI741789, AA058685, AW020642, AI989848, BG110038, BF510769, AW473483, AA603449, C15271, AA427948, AA758708, AA040637, AI290013, BE740926, BE206649, T03758, N70866, AW406793, BG110580, BG027297, AA774692, BE742693, AV747082, AV747654, AI475639, AI092809, R80486, C15734, D51976, D51646, BF131202, AA428046, D51957, D51935, D51893, H09216, AI088948, D51577, BE928484, BE536200, D51983, D51661, C00071, BF208653, BE883130, D51789, AW235337, D81242, AV654035, AA677513, BF084187, AW075377, BF437318, BE928483, D52108, D52600, BF084273, AA813035, AA045514, AA332431, T34853, D81315, BF084305, BF084306, AA496874, BF913015, D54128, AI220701, T49388, BG249876, T49387, W06877, C14710, AA814794, D51690, D51645, D51966, BE645492, BF895966, BE177707, BE544980, AA219177, AA767758, AA095453, BG109364, BF913074, AA913240, AI539785, AI537252, AI474397, AL109827, AB018308, AK026963, AB015336, AL109827, AL109827, and AL109827.
HKA EK58	1165	695729	1 - 2227	15 - 2241	AL528126, AL536056, AL536055, BE890120, BF038862, BE549169, BF591002, AW379527, AW959711, AA526882, BF725033, AI491940, AI239822, BF440034, N20580, BE618852, AI263983, AA663798, AI080116, R61429, AA309011, AI811694, AA902625, AA046053, H23157, AI361914, AA622321, H64252, AA448036, AI421561, BF759956, AA526869, BE618365, AA359944, AA508633, H09004, D20772, AW661932, AA282272, N67184, AW952992, AV682348, AI598052, BE711914, AA282273, AA741056, AA904376, T86502, AA811240, AA345238, AW732176, H17050, AI061405, H64253, AA775859, BF592162, T80830, H09571, AA348131, H23158, R53226, AA046179, BE180903, H25064, AI478757, BE180901, BF943611, BE877837, H09750, N28971,

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HKA EK72	1166	840457	1 - 1563	15 - 1577	<p>BF974847, BF206274, BE260472, BF311508, AW071888, AI927723, BF311594, BG119668, AA430100, AI749184, T10378, AA760655, AV760560, AA659923, AI345256, BE252421, AI797998, BF725837, BE138594, AW502873, BF913232, AL042753, BE139267, AA493808,</p>

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HKAFJ47	1167	845521	1 - 2096	15 - 2110	AW964000, AW964015, BE895088, AI908407, AW299792, BF337020, AI770150, AW303438, AI202327, BF031353, BF338666, BF515209, AI659732, AI589089, AI094705, AI225153, D61794, AV656584, D62743, N36923, AA613805, D63061, AA329238, AA832304, AW131957, BF671034, AW265341, AW961446, AI141967, BF382842, AA879031, AA377165, D82713, AA170851, T27266, AI689686, AL514085, AL513597, AL514473, AL514087, AL514357, AL514691, AL513865, AL513979, AL513553, AL513999, BE966577, AL514657, AL513755, BF525392, AL513719, AL514543, AL514919, AL513977, AL513901, AL514093, BE886686, AI440238, AV681881, AW265461, AL514511, AL513631, AL513783, AI815239, AL514983, AL515191, BF726177, AL042416, AL514721, AL515195, AL514793, AI434240, AL514823, AI469764, AI955906, AI004911, AL513951, AW163464, AL513817, AI687424, AL514155, AL513743, AL514063, AL514359, BG163646, AL513907, AW023338, BF341270, AL514457, AI431323, AL515019, AL038986, AI623941, AL041016, AL515373, AL514469, AL514015, AI561177, AL514219, BF752276, BE886844, AL514791, AI581033, AI282249, AW151136, AI539771, BE897632, AI432644, AI537677, AI494201, BF812963, BG035653, AI804505, AI500659, AL042655,

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HKAFQ41	1168	847281	1 - 1811	15 - 1825	AL528838, AL528839, BE548486, BG167828, AW958767, BF573735, AI743850, BF509848, AL040903, AW958759, AI741433, AI671217, AA398861, AA715092, AA724538, AI222718, AI018483, AI469907, BE463847, AI073867, H56596, AI669101, N80407, AI338869, AA812951, AW469797, AA502547, AW970616, N34354, AI861857, AW299678, AW299936, AA126885, AA682237, AA872091, AW104557, AA127107, AI285255, AI208130, AI743464, AA435861, AI870834, AI208505, AI285243, AI018703, AW451768, H56597, AA383475, AI655259, D20154, R31318, N67985, AW337242, AI364770, H84355, AI073376, AA450347, R31577, H84354, AA599653, AI565302, BE707644, AI884611, AW956715, AI434922, N42853, AW571445, AA346677, AW827206, AL514511, BF970652, AI677824, AI927233, AI432644, AL515413, AI884318, BF811784, AI355008, BF812938, AI433157, AI702073, AL046595, BF812961, AI499570, AI633125, AI690748, AI538564, AW152182, BF811804, Z98446, AI698391, AW834282, AI579901, AW198090, AA580663, AL046466, AI571439, BF812960, AL037582, AL037602, AL514145, AI638644, BF965814, AW088628,

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HKAHH71	1169	846826	1 - 1335	15 - 1349	<p>BG117561, BE869073, BE890027, AW005986, BF000318, BG110476, BG036838, AW245705, AI493303, AI797699, AI343515, AA907641, BF726085, AI358212, AI769968, AI498949, AI090240, BF988836, BF726086, AA633382, BF445395, AW615111, BE166122, BE769138, AI392717, BF154888, AI675728, BE769137, BE856452, BF476043, D25986, AW802779, BE045182, BE047852, AV682222, AI334445, AI567582, AW303238, AW088899, AI254251, BF751288, BG249582, AI336506, AL110306, AI929108, AV682387, AI802240, AI537677, AL047675, AW051088, BG110241, BG001235, AW079572, N72726, BE968711, BF032768, BF343241, BF061283, BF925729, BF965877, AW673635, AW827106, AI536574, AL037521, BG110684, BG260037, BG033723, AV658585, AI613471, AI470674,</p>

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HKAJA95	1170	834557	1 - 1259	15 - 1273	<p>BE614614, BF790544, AA579630, AA582960, AI885325, AI936536, AI041202, AA224518, BE545847, AA524291, AA224554, AW089837, AA846846, BE613739, AI039992, BF037584, AI201511, AW572949, AI798847, AA582557, AI863290, AW387178,</p>

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HKAKU90	1171	838608	1 - 1454	15 - 1468	BG149842, BF947767, AI130886, AA694172, BG033451, BE747792, BF887342, BE699317, BF949022, BF029955, AW298317, BE710023, AA679033, BE621165, AA400484, BF112063, AA424748, AA827673, BG106653, AW401842, AA227686, AI678839, AW961085, AA308240, AI183772, R94739, AA054105, BE179929, AA491395, W05441, BE276868, AW084203, AW951939, AA564826, AA134217, T48604, BF741612, AW628711, BE207617, Z26330, AI688482, AA740451, AA565415, BF902196, AA489721, BE709814, BF902199, BF902751, H47271, AI240709, AA701930, AI761572, AI601251, AA863062, BF114666, AW362103, N99848, BF028522, BF742035, AW184012, AW630151, AA130334, BE292913, AI459807, AV661609, BE842369, BE842227, BE842455, AI149023, AI400444, BE280681, AI351192, AA877920, AI566232, T97264, N71068, BG163932, T97375, AW955463, AA929051, AI263353, AI348202, AA504778, AA720643, AU133398, AA316507, AI827090, BG035726, N88837, AI803578, AI829602, AI860418, AA757762, AA227545, AA336687, AW102820, AA733159, AA336787, AI275109, BF929012, Z44516, AI094183, AW016759, AI052265, AI078232, T69959, AA905612, AW072622, AI339320, BF810962, AW513082, AA489620, AA746040, AI187981, AI620619, BF038130, BE810295, AI917247, AI539144, AI287537, N70712, AA781864, AA480020, AA478973, AA776226, AA994311, AA704127, AA678716, AA424872, T15764, BF773011, AA069355, AW865818, BE842288, T69909, BE243980, BE646128, BF003107, AI963833, AF197954, AB018307, AK000329, AK000616, AX013061, and AC074091.
HKCSZ54	1172	600229	1 - 1162	15 - 1176	T05569, AC005815, AC005283, AC027612, AC005815, AC005815, AC005283, and AC005283.
HKFAA15	1173	753275	1 - 1765	15 - 1779	AL048274, BF691895, AV684171, AW068580, BF965602, AI955671, AI475476, BF037623, AA906056, BE892200, AV690707,

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HKFBB08	1174	826713	1 - 1459	15 - 1473	Z64907, Z57467, AF179296, AF179296, and

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HKGAG59	1175	741051	1 - 765	15 - 779	AC001226, AC001226, AC001226, AC001226, AL359883, AL359883, and AL359257.
HKGAJ81	1176	581063	1 - 1318	15 - 1332	AA046906, AA157876, AA047057, AA017583, AA019793, BE244547, AI469089, AA177130, BE867712, AI816537, BE075868, AW162314, BF238351, BE207261, BE538259, AI469485, AV714931, AA633892, AW575808, BE541237, BE740358, AW265468, BF725436, AW162332, AA016123, AV683406, AV731938, AW327673, AU118837, AI254267, AW410844, BG180320, AW514844, AI791720, AI791408, AI355572, AW839858, BE882869, AW157128, AA425283, BG163541, AW328185, AL121039, AI702049, AI270280, AW023975, BG032943, BF853574, BE875478, H37968, AF034176, AW008217, AV712092, AW151848, BG059139, AW516250, AI572680, BF106218, AW850149, AI547110, AW148821, BF812696, AW069769, BF855492, BF869729, AA493546, BG027041, AU146789, N99245, AU130725, BF790866, BF880881, AV743869, AA661583, AI889177, AU122155, AA568303, AL527073, AW850985, BF736198, BE149844, AI815583, AA935827, AW662464, AI028148, AI819419, AW576388, AA765899, AW403177, AI872229, BG259634, AI753131, H86279, AI312614, BF846619, BF348325, AA640305, AA182928, AA504951, AI064968, BF853730, AA112864, AL445490, Z98949, AL008710, AC005039, AC002558, AC010789, AL033529, AC008041, AC004167, AC025594, AL121875, AL139109, AL138836, AC024947, AC005913, AL136137, AF223391, Z85986, AC005164, Z93930, AC005599, AC007384, AL031577, AC008273, AL121900, AC009244, AL355305, AC024082, AC004964, AC016602, AD000092, AL121601, AL445483, AL117337, AC005234, AF205588, AC006430, AC083866, AL008629, U91327, AC073148, AC005058, AL117348, AC008125, AL135901, AL157827, AC018644, AC012085, AC006023, AB017654, AC005274, AC006947, AC006515, AC007405, U62317, AL117258, AC006040, AL162430, AL109837, AC007098, AC007157, AL121932, AL158828, AL359272, AP001718, AL049873, AP000086, AP001713, AC004386, AC009362, AC004909, AP001694, AC008733, AC005703, AP001727, AC007540, AC016543, AB023049, AC007277, AC010223, Z99755, AL133454, AL109624, AC007436, AP000515, AC021037, AC004104, AL049636, AC009194, Z75889, AL121574, AC018764, AC004675,

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HKGAK45	1177	809093	1 - 2115	15 - 2129	AL079734, AV756491, AA449997, BE062476, AI049709, AW237905, AV760391, BE062478, AI887235, AV760389, AI380617, AI358712, BF868994, AA715814, AA515728, AI733856, AW976024, AI821931, BE138594, BF725761, AW969831, AW302315, AV763026, AV763058, AA013168, AV760508, AA019973, BF724626, AA706495, BF828714, AV762633, AV732057, BF879045, AW845366, AW963474, AW502873, AA410788, AW500029, AW243831, BF526964,

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HKGAP04	1178	846832	1 - 2318	15 - 2332	AL357566, and AL390957.
HKGAP57	1179	841627	1 - 1893	15 - 1907	BF058902, T90894, T83214, AW272815, AW177869, AL041375, AI355246, AW328331, AA846923, BE140949, BF673911, BG028665, AA493808, AI620992, AI791659, AA719564, AW591304, AW151247, AI285493, AV714931, AI915081, AU117145, AI859438, AA642809, BE328286, BF851016, AU150583, AV761486, AA558404, BG122782, AA469230, BG032943, AI801563, AV760579, AI801649, BF916862, AV759632, AL046519, AV762245, BF930145, BF529925, AA501807, AC011495, AF053356, AC068799, AL356748, AL109797, AC011811, AL022318, AC011477, AC025588, AC005815, AF168787, AL137012, AC018751, AC004134, AC009516, AL158823, AC004587, AC010527, AC006345, AC024561, U91318, AC005529, AL121989, AC002477, AC005527, AL109804, AC004841, Z83844, Z93015, Z99716, AL023494, AL034429, AC007371, M13792, AL162430, AC001231, Z99570, AL138478, AC004686, AF055066, Z84487, AC005696, AC011473, AC020948, AC010618, AL139109, AL136172, AF001549, Z97054, AC009086, AF001550, AC005581, AL162272, AC005158, AC006211, AP001719, AC005690, AL008582, AC010521, AC010512, Z95152, AC003007, AL157827, AL049830, AP000355, AL121601, AL079303, AL049694, Z97053, AC008738, Z98747, AC012309, AC022148, AL353748,

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HKGAW41	1180	858745	1 - 1625	15 - 1639	AL042373, AW968338, AA297145, AV721136, AV723445, AW502796, BG059314, BE138594, AI199816, H91062, AI253376, AI446623, AW021917, AA704393, AW503420, AA828054, AA468956, AI358384, BE672637, BF725884, AL046409, AW995323, R44593, AW975626, AI620666, AW572721, AI963720, AW410354, AA610491, AW500684, AI755214, AW864359, AI284045, H73550, AI821931, AI754567, BE675681, AA916177, AI094787, AA084609, AI754105, AW576251, AA629412, AI687343, AI753488, AW069769,

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HKGBA21	1181	822870	1 - 1844	15 - 1858	AI911051, AA907281, AL163204, AP001465, AL163203, AL391666, AC020549, AC008929, AC017089, AL109752, AL354872, AC009492, AL137222, AL117375, AC008433, AP001669, AC009238, AL441964, AC002980, AC006213, AL132668, AC004075, AC002412, AP000457, AL133319, AC010905, AL133409, AC007717, AL022166, AL139812, AC007655, AC024454, AC024454, AC027471, AC027471, AC027471, AC011881, and AC011881.
HKGBC33	1182	823368	1 - 1022	15 - 1036	AL079734, AL042373, AV756491, BF725844, AA515728, AI609972, AW973992, AV710214, AW504485, BF868994, T74524, BE138594, AV762633, AW023111, AI962030, AA829036, AW189113, BE252421, AI369580, AI061313, AI755057, AI282253, AW500684, AA535216, AV758790, AA502991, AV759149, BE139267, AL037714, AW468009, AI755214, AA613627, AW026305, AW819125, AI421950, AI300054, AW963444, AW328331, BF854308, AI754105, AV760508, AI114557, AV759632, AI754567, AI612142, AV755654, AW237905, AI675615, AW069227, BE139358, AA706495, AW970940, AA515048, BF828714, AV738383, AW969743, AV760391, AW805539, BE062478, AW021917, AI923052, H07953, BF526964, F23264, AV763026, AV763058, AV710482, AA578621, BF805088, BF854244, BF725761, BE063437, W96522, BF811714, AW500029, AW835445, AW576251, AW963463, BF923365, BE151208, AI361090, AI890481, AW969941, BE327876, AI635440, AI583252, AV764259, BF337320, AW504224, AV702109, AV760389, AW816516, AA410788, AI358712, BE062159, AA630854, AW505253, AA191418, BE154781, AA013168, AA746911, AI799607, AI891080, H73561, AA284247, AA524616, BE062476, BF724838, AI040051, AW963663, AW970967, AI792575, R99034, AW020150,

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HKGBC73	1183	608169	1 - 835	15 - 849	AI285998, AI271766, AI271985, AA805795, AI174489, AA805423, AA641400, T63030, AA411590, AA084230, F02342, AA320941, AA515929, AA010973, AA586433, AA569448, N71579, AV710822, D51809, AI905588, AA292386, AA480849, AA954942, AA479575, AI299938, AA729004, BE386541, BF847612, BF726693, AA745302, AI884861, AA668166, AA636102, AA828153, AA678616, AA077619, AA610381, AA745373, AA504529, AW073498, AI929410, AI753672, N22153, AI750950, BF853968, AA454491, W31736, AW501411, AU155161, AA634926, T07327, BG034302, AA078255, T03928, AA468099, T40550, BG009094, AV761011, BF037387, AA654778, AA348602, AA527963, AA655037, AA340153, AA854046, AI859906, AA402282, BE883957, AI358542, AA730359, AA355128, AA654464, W39287, BG222891, W60522, AA664248, AA445951, W25020, AA427808, AI049701, BF769476, BG165396, AI143653, H71012, AA729037, T08386, AF305941, X02883, AC002375, AC078889, AC006487, AP001718, AL121900, Z16571, AC019050, AC009318, AF250324, AF205210, AL022313, AC020923, AC007282, AC002544, AL034430, AC004755, AC011331, AC004079, Z98742, AL096712, AC004129, AL135978, Z83819, AC004836, AL118516, AL050332, AC004929, AL033520, AP000288, AP000109, AP000041, AC002465, AB020863, AP001715, AJ246003, AC005546, AP000300, AP001717, AP000045, AP000113, AL353193, AC006950, AC005372, AC007193, AC018686, AC004971, AC006441, AC011527, AC006543, AC011462, AC007679, Z82190, AC073184, AL159972, AC020893, X69951, AC007199, AP000043, AP000111, U91326, A67424, AC005784, AC007421, AC011508, AL034402, AL133499, AC007226, U02052, AL035633, AC009248, U55184, AL031278, AC011524, AC020954, AL121899, AL008725, AL390037, AL049612, AC006396, AC007029, AL031659, AL031666, AC006452, AC002045, AC016644, AC009953, AC002352, AL033527,

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HKGBF61	1184	658697	1 - 1745	15 - 1759	AV699423, AV700654, AV760760, AV762220, BF673854, BF346320, BF527620, AL043745, AV759172, AV720045, AV760599, AA595661, AL037632, BE152006, BF530611, AU117926, AI732720, BG058664, AI374809, AW166996, AI887468, AW419201, AV737323, AI572680, AI040051, AA601674, AI819419, AI039809, AC006210, AC006345, AC004448, AL031311, AL138733, AC009311, AL079342, AL034429, AC006254, AC005874, AF134471, AL121899, AC024085, AC009242, AC008372, AC003670, AC009408, AL080314, AL049829, AC008083, AL353748, AC008040, AL135841, AL096700, Z97054, AF117829, AL359457, AL163282, AL031281, AP000432, AL035662, AC007880, AF152363, AL117258, AC004167, AC011811, Z93017, AC016025, AC027644, AL136137, AC004998, AL121712, AC005670, AL161731, AP001670, AF111168, AC007637, AF196779, AP000692, AC005519, AF042091,

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					and Z98742.
HKGBH54	1185	588482	1 - 2206	15 - 2220	AW265103, R81017, AA720732, AV733538, T67090, AL035409, AC002115, AL022721, AL157372, AC008569, AL022320, AC011455, AC021999, AC020754, AC006270, AP000555, AC008155, AL033528, AC009408, AC005280, AC025593, AC004686, AF111168, AC016751, AC002395, AL358133, AC005901, AC011895, AC009307, L77570, AC005484, AC006501, AP001725, AC011451, AC011450, AC006483, AL133548, AC006130, AP001712, AC018758, AC003663, AC021019, AC007405, AC006430, AL035703, AC021016, AC005800, AC020728, AC007383, AC005702, AC006312, AL138756, AL031680, AC004805, AC005015, AL035408, AP000692, U91323, AC005522, AC002375, AF047825, AL034380, AC008482, AC010463, AL031279, AC022336, AC004491, AF254983, AC002430, AF207550, AC007011, AC008521, U95739, AL031984, AL096702, AL035071, AL133211, AC004890, U95740, AL163201, AL035658, AJ251973, AP001710, AC006449, AC003689, AL133232, AL109823, AF030453, AL136231, AC005261, AC008264, AL138878, AL050204, AC011811, and AC002350.
HKGBP52	1186	899282	1 - 2688	15 - 2702	BG032060, BG169228, BF685583, BF685315, BF115828, BF685892, AW058657, AA400627, AI692280, AW614231, AI342528, AI743405, BE645128, AA400382, AI675621, AI808100, BF339201, AI688291, AI340200, AI701582, BE549260, AW135173, BG055369, AI813453, AA393033, AI343951, AI299820, T03738, N24268, BG055273, H98701, AI040531, H54669, R56558, AI830628, AW511818, H01460, C16675, BE702083, AA707616, AI146912, H00353, H01555, BG055370, BF109119, R21829, BF725844, AI755214, AI754567, AW500684, AW576251, AI754105, R56559, AA535216, BF725884, AI249688, AW969667, AI080307, AL135377, AW131356, AV756220, AI038304, R21894, AW103406, AI569100, AI858691, AI583142, BG054730, AW192599, AI077941, AA704393, BE207720, AA602906, H00307, AA491767, BG113782, AV760469, AW970896, BG112362, AW897556, AA719073, AV762633, AA659832, AI884383, AV758870, AW270385, AI061313, BF805088, AI679002, AW270255, AI590458, AV762354, AI679759, AI926728, AW069227, AA176978, AI732502, AI791458, AW904850, AW574899, BF909764, BE672637, AI754336, AI590580, AI590499, AI499376, AW022934, BF675251, AI753113, AW277253, AW963444, BE704103, AV760391, BE142612, AW438856, AA584765,

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HKGCE23	1187	564825	1 - 1771	15 - 1785	AL529783, BF433689, BE549737, AI692589, AL043071, AW182413, AW183848, AA347409, AW970888, AW044251, AA767779, AI025186, AA347718, AW268423, AW137634, BF804681, AA909685, AA502700, T03927, AW877209, AL119457, AL119324, AL119319, AL119399, AL042544, AW861944, AW804686, AW392670, BE695785, AW604723, AL119483, AL134538, AW858526, AW858525, Z99396, AW372827, BF868687, BE705903, BE705906, AW577135, AW363220, AL119443, AW384394, AW861889, U46341, AW858455, AL119355, AL119363, BF868697, BF868684, BE705905, AL134920, U46349, AL119484, AL119391, AL119497, AL119335, AW604726, AL043029, U46351, AL119341, AW861954, U46345, AL042965, AL043019, U46350, U46347, AL119418, BE705904, AL119444, AL119522, AL134531, AW971745, AL042614, AL037205, AL119439, U46346, AL119496, AL119396, AL042984, AL134086, AL042433, AL042975, AL043011, AL134533, AL119464, AL042450, AX046357, AR060234, AR066494, A81671, AX030435, AJ279014, AJ251859, AB026436, AR054110, and AR069079.
HKGCE62	1188	638200	1 - 1148	15 - 1162	AA515723, AI914747, BF940118, BF944269, AC021016, AC010412, AC004965, AC005523, AC018719, AC011475, AC005348, AL022336, AP001718, Z93241, AC009086, AF165926, AC005231, AC020904, AC006312, AL133387, AC005300, AL031280, AC005052, AL031053, AC004686, AL031276, AC027319, AC005746, AC027644, AP001717, AC003043, AF053356, U91321, AL355392, AC024561, AL050349, AC073593, AL132653, AC010422, AL121890, AC011464, AL139388, Z83822, AC006483, AL121920, AC084732, Z93023, AC006337, AC004963, AC008753, AC011465, AC005243, AL445669, AC008569, Z74739, AL159168, AC011442, AD001527, AL035681, AC002310, AF196969, AL133500, AC005081, AC003101, AL021155, AL163300, AC019227, U95742, AL031407, AC011479, AL021394, AC009470, AC005726, AC004846, AC004526, AL162390, AC006449, AC008556, AC004813, AC005488, AC004089, AL136529, AL020995,

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HKGCK41	1189	559327	1 - 1010	15 - 1024	AL525116, BG109063, BE709672, AW373185, AI459736, AA480024, AI217142, AA478975, N57067, AW593025, AA367747, AI817249, AA249621, AW192883, R59545, W92478, BF791061, R20056, H42211, AI031745, AW298639, R14167, AA488265, AA670371, AW025320, BF838532, BF326624, BE825848, AI869463, AK024811, AJ272205, AC008012, and AC005832.
HKGCK41	1190	795256	1 - 2177	15 - 2191	AL525116, BG109063, BE709672, AV722959, AA193335, AI817249, BG118607, AA488265, AI459736, BE960792, AW373185, AA082756, AA233113, AA480024, AI217142, AA478975, AW298639, N57067, AW192883, AW593025, AW838091, AW838081, AA367747, AA670371, H96527, AA249621, R59545, W92478, BF791061, W32552, H73023, R20056, R72541, H42077, AW025320, AA195524, AW838264, H42211, AW860876, R86051, AI031745, R72453, T98404, T82023, R14167, R19452, BE825848, R12263, AA101653, W24839, R27034, AA215589, T71946, BF838532, AW838143, BE164029, BF326624, BE713037, BE713036, BE712886, BE713005, BE712918, BE712966, BE712844, BE713034, BE712846, BE712887, BE712845, BE712890, BE712848, BE825852, AA195410, AI869463, H42036, BE712883, AA243849, AC008012, AK024811, AJ272205, and AC005832.
HKGCN96	1191	833981	1 - 1089	15 - 1103	AC007338, AC007338, and AC007338.
HKGCX05	1192	590150	1 - 1644	15 - 1658	BE676731, AA157453, AI738793, BF741051, AW853709, AL049875, Z72519, AF001905, AL139023, AC011294, AL031965, AC005018, AL022310, AL137011,

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HKGDA95	1193	581064	1 - 1153	15 - 1167	AL525783, AL520153, AL529535, BE739894, AL523309, AL520154, BE740768, BF972763, BE614771, BF967926, BF026143, AL529534, BE383749, BF310145, AI075733, BF310187, BE868388, AL524814, BF108707, AL523308, BE902443, BE274793, BE735799, BE297778, BF967203, BF316852, BE514855, BE271432, BE297892, AA843735, BF973241, BE390241, BE899458, BE898677, AW043687, BE886199, BE389614, BF304821, AW673741, BF310586, AA872909, BE270668, AI952129, BE515168, AI378828, AI633556, AI828349, AA993208, AI808841, AI222846, AI742865, AI274300, AI560935, BF972982, BF589211, BE314143, BF663713, BE614829, AW027239, BF310096, BE542949, AA971527, AA886891, AL524813, AA826782, BE439433, AI867984, AW958706, AI088344, AI581330, AI091252, AI802872, AA312850, AA806593, AI378403, AI088397, AW958702, BG256396, N26739, AI093241, AW168347, AI493751, N30767, BF972654, AI073367, W81181, AI312593, BE871559, W81182, AA583756, AA513371, BF945259, AI077686, W92192, AA512955, AW204497, N52367, AI827954, AI201669, BE543943, W40464, AA279705, AA879111, N35408, AI368131, H29972, BF475952, W19255, AI982966, AA235341, AI190623, BE836293, BE715774, W94889, BE836291, BF437299, BE715860, R56670, AI014795, N34625, AI498758, AI201409, AA970301, AI265841, AW954771, AI864519, H02194, BE715849, BE396071, H02193, BE715851, AI700378, AA279811, BE715807, AA594444, AI400047, BE836366, AI422154, AA040752, BF354400, N75138, BE836205, AA303626, BE836286, AI457546, BF917034, AA041206, AA725154, AI580300, AW518424, BE704211, AI335262, N54753, BG104361, W19448, BF026451, BE770336, AA987570, BF956799, BF027497, BF768309, BE391167, N93962, AA309595, BE840991, R56832, AI581964, BE393904, W01804, BF956896, AW581279, AW351999, AI305280, AW351578, F15620, AA627500, AI310165, AW953608, AI470099, AI087848, BF111822, BF112045, AA476759, AW673106, D11794, AA054835, T34337, AI937587, AI245090, AA337352, AI056321, AI655445, AI148013, AI142301, F27590, AI719201, BE841094, AI970302, AA813472, W05033, AA476762, BE894700, AI969965, N74662, AI032382, BF800278, AL133215, Z60756, Z60755,

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HKGDO12	1194	857225	1 - 1657	15 - 1671	AW970020, AW968148, AL134524, AW969698, AW968200, AV763449, AW970896, AV711430, AW968147, AW974932, AV763401, AV761279, AV762741, AV760777, AV759557, AV763275, AV761412, AV762505, AW969988, AV761843, AV761714, AV762092, AV762098, AW979295, AW972919, AW979080, AV761904, AV761362, AV734997, AV762633, AW972876, AV728425, AW973821, AV761613, AW968205, AV761489, AV760057, AV762397, AW964231, AV711465, AV760745, AV761104, AV759191, AV761862, AW979093, AV763670, AV764230, AV762242, AW973397, AV760714, AV759437, AW969743, AV764314, AV729813, AV762064, AV763058, AV761106, AW976010, AW974109, AV759293, AV722143, AW974363, AV734859, AV764187, AW971243, AV761022, AV764051, AW972902, AV763417, AW970108, AW971342, AW975410, AW979269, AW962942, AV764102, AV762535, AW975049, AV760042, AW976024, AV759505, AV759660, AW975217, AW979076, AV734853, AV761547, AV759559, AW979253, AV764255, AW973789, AW975169, AV702857, AV761653, AW973992, AW975043, AV763457, AV761273, AW961593, AW975626, AW975941, AV759149, AW955841, AV764211, AV763419, AW979058, AW975164, AW971150, AV755512, AW970915, AW975266, AW979070, AW968212, AW968188, AV763298, AV762706, AV760724, AV763563, AW979087, AV760371, AV761810, AV759185, AV762351, AV760039, AV707794, AV760106, AW970856, AV763847, AV763026, AV764578, AW975679, AI475582, AV759967, AW973777, AW969801, AV735132, AV725431, AW974399, AW979239, AW956640, AV763558, AV759329, AW974639, AW973819, AV755677, AW972769, AV713243, AW979204, AW972312, AV761941, AW979206, AW971054, AW979191, AV764235, AW975937, AW970984, AV760486, AV710119, AV759717, AW972879, AW971320, AW974393, AW969798, AV759507, AV760721, AV760725, AV759295, AV733830, AV759199, AV762589, AV725423, AV763178, AV732891, AV762973, AV764362, AW975363,

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HKIME53	1195	636982	1 - 492	15 - 506	AW027692, BE905499, BE906058, AI066792, AI674075, W73135, AI126174, AA687840, AA806473, AI131085, AI080064, AI798216, AA651704, W93683, AA652620, AA938305, AI673640, R51338, BG171024, BF437388, R01699, W72893, AA814727, AW874617, BF435545, BG055686, AW304419, R59377, BF941749, AW474081, F08949, W73115, AA670391, BF975915, BF975640, AA809829, T30370, T19610, F09511, AW016848, W76098, AI918136, BF804668, AI380671, T19611, BG166271, AW958005, R40528, BF217305, AV701813, AB028173, AC074189, and AC074189.
HKIMG23	1196	738671	1 - 1707	15 - 1721	AL529883, AL529884, BE795652, BE409595, BE740635, BE730445, BF688988, BE740507, BE728416, BF688597, BG032869, BE409750, BF037105, AW954292, BE279702, AA564207, BE729294, AI769429, BE548288, AI991960, AA496146, AI949957, AA856616, BF311418, AI631898, AI016438, BE348373, BG111742, AA496147, AI928100, AI800196, BG169475, AA031739, AI393302, AW271785, AW675512, AI033781, AA031843, AI738460, AI401186, AW195223, AA029785, BE502500, AA429259, BE500944, BE208677, AI861778, AW672835, AW183075, AW665505, AA831625, BE018547, AI589798, BE729628, AW242857,

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HKIXB73	1197	823043	1 - 1980	15 - 1994	AI311548, and AW002245.
HKIXD68	1198	840458	1 - 429	15 - 443	AI341138, AU155427, AA772603, AU146779, AU150035, AI274224, AW602197, BF897041, AA205460, R15444, BF831039, AW610349, AW962003, BF355804, D60296, BE041663, D60795, AK022820, AC022732, and AC022732.
HKIXR91	1199	590989	1 - 1546	15 - 1560	BE795166, BE744215, BE273688, BE273403, AW245889, BE872631, AW245631, AI056337, BE868054, BE273661, AW953813, BE939208, BE264242, AA305944, AI494538, BE676067, BE858379, BE336908, BF514526, BF802886, R37662, AW996647, AA195139, BF195186, AA946712, F26367, AA563941, BF760929, AA195288, BF763629, AA826333, BE294320, AA480685, BF761832, BF002442, T03732, H25825, AI833314, H23231, AA196654, AI566930, BF306931, AA962629, AI886960, AI659737, AV683897, BE312867, BE351010, BF762676, BF925402, AA587570, H63283, T23741, BG056976, AA587546, AI871873, AA627562, AW768872, AI589407, BE348954, BE544018, BF760372, AW887436, AW663296, AW841218, N47375, BE814372, AA364405, AI867532, AI659036, AI676007, BF126064, N94891, BE939296, AI633213, BE313318, BE928622, AW934839, F18188, BF032010, N63583, AI978802, N56991, AA465565, BF037600, BF734299, AI858496, BF315669, BE267034, AW873657, AI811874, AA196535, AA969445, AA465211,

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HKIXS19	1200	654849	1 - 449	15 - 463	AI337203, AA814575, AL522556, AI422200, AI359675, AW087189, AA063168, AA770427, AW072669, AA912814, BF341861, AI249369, BE699227, AL530672, AW183275, AA186615, F02654, T16185, AI698693, AA907053, R51364, AV704759, AA454215, AA620790, AI350291, AI922348, AI205185, H10215, AI922353, AA805107, AI865339, AA993885, AW274984, T16338, AA136300, R59214, F10923, AA454214, H39664, AA424431, AI240102, H30427, AV727409, T17109, AW117326, BF966669, W26124, AI267605, AI267603, W27941, AL534858, AV730481, BG054602, AA424329, AV727697, AI216709, AI927448, AA716227, BG149989, Z40384, R54339, R56610, T34886, R42193, AV724216, AV728574, H06885, BE936040, AI420575, AA188258, AI652897, AA349108, BF447421, R55713, BE936028, BF090179, AA365771, W26346, AI364064, W22461, AA091068, AW382930, AI091499, AF007138, and AB033006.
HKIXW45	1201	704089	1 - 463	15 - 477	AI754734, AI127499, BG255479, AA022594, W84332, W19280, AI144518, AI937122, AW055211, BF438660, BE046366, BG255378, AI016647, AI589828, AA022593, AI056109, AW067972, AI880249, AA706365, AW005744, BG231854, N45195, BE858043, AA156559, AW024893, AA206014, AA283758, AW162858, AA725095, AI570415, N57760, AI554383, AA149804, BF432435, AI146910, N32509, AI721027, AW007240, W61376, AW148706, AI298160, AA575859, AV722275, AA149829, AI298295, AI150754, N33262, N20087, AW296742, AW055306, AI201397, AI299403, AA808234, AV721799, AI066413, AA460542, AA928667, AA173662, AI740865, AI214573, AI221444, AW778768, AA658502, AW044003, AI367130, AI039652, AI222181, AI421340, W19930, AI304779, AI745289, AI633411, AW008870, AI191260, AI350505, T70584, H28706, AA069393, H09643, AA152459, AA812685, AA902179, BG030190, AI344728, W61190, H07124, AA173661, H04306, W61142, N59101, R92010, W37711, AA102392, AI913789, R78497, BF085714, AW511937, AA866075, R80143, AA285041, N64423, N99375, AI619699, AI201193, H65658, AA758745, AA904000, AA609961, AA112673, R74477, R39200, T17460, AA879058, T17267, R26742, AI167335, Z40913, W32153, AA112674, AA135336, H00643, N66868, F03355, R09261, T65436, T35183, W31475, R09950, R80142, T96365,

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HKMLB81	1203	610017	1 - 1863	15 - 1877	<p>AL137017, AL159169, AL159169, AL137017, and AL137017.</p>
HKMLF77	1204	604743	1 - 768	15 - 782	<p>AI475870, AA410788, AU147162, AA228778, BF944736, AA176604, BF942976, AV763026, AV763058, BG250286, H95769, AL135377, AI056177, AL079734, AI696955, BF832074, AW500029, AW504168, AW970571,</p>

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HKMLM32	1205	826523	1 - 989	15 - 1003	AI254961, AW973722, AA482786, BF448131, AA514985, AA708031, AW408709, AA708240, AA683063, AL042425, BE139297, AW451137, AA484824, AI583425, AL138740, AC011462, AC007784, AC006160, AC003046, AL162424, AL137520, AC004991, Z82097, AL008635, AL109758, AK027223, AP000248, AL031178, AL022476, AF001548, AC005740, AP000128, AP000206, AL357774, AL132639, AC012384, AP000245, Z82243, AL157791, AC083866, AC008687, AP001709, AL138743, AC006512, Z69666, U47924, AC087088, AL033378, AC026132, and AC026132.
HKMLR17	1206	847432	1 - 1678	15 - 1692	AL523876, BG055198, AI741776, AI937181, AL523875, BE898631, BF475706, BE747357, BE046410, AL521913, AA142834, BF114775, AA115742, AA449297, W07748, AI185171, AI189560, AV750720, AA044208, AI127627, AA133448, AI093329, AA099349, AI266553, AA040461, W74689, N80688, BE973723, AI052641, AI969190, AA101880, AA745759, AA043947, W74787, AA057190, BF906482, AA678275, AI800774, T79148, AA040462, BF906446, AA705309, AI277738, T49144, R05522, AI611334, AI122879, AA862428, T79229, T49145, C02622, R05630, AA046501, AA449557, AA426483, D78874, AA045459, AA057125, AA035598, BG011545, AI057255, AI271978, and AF098269.
HKMLT89	1207	826167	1 - 1260	15 - 1274	AA411083, AA250776, BF956954, AI610892, AA834686, AW975383, H81732, AW237905, BE973547, AI890862, AI124558, AW023111, T05617, AA284247, AI361090, H71659,

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HKMLV05	1208	663924	1 - 1587	15 - 1601	<p>BE789574, BE644974, AI797147, AI338650, AW515799, BF509498, BE218468, AA780705, AI797387, BF439140, AV721626, BF196941, AA164216, AA164215, AI814047, AA663085, AW449297, AI343960, BF928841, AA748022, AI203523, BF591680, AW021674, AV763460, AW502688, BF438961, AA557945, AI251024, AV758849, AU146789, AW023975, AW275432, BE139230, AI572680, BF812696, AI174703, AI732327, AI826857, AI344906, AI318548, AA313025, AI254267, AA640305, AW410409, AW327673, AV712092, AA584360, AL042667, AL042670, AI252005, AI254463, AW975150, BE391183, AI797998, AI444575, AW504667, AV741384, AI732690, AV728973, AA631915, AW501278, AW575808, AI567676, AV729090, AA526542, AA493546, AI114755, AI921744, BE677164, AA199578, AW963552, BE080768, BE045167, BF725436,</p>

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HKMLV25	1209	695731	1 - 752	15 - 766	BF525338, AA573785, AI421829, AV657500, BE439672, AW860522, AW602040, AI815098, AI444641, AI889106, AW082282, AW602036, AW151910, AI688082, AI935867, AW251068, AA974182, AF063527, BF803392, AV682818, AI342309, AI660665, AA865622, AI336447, AI469758, AI636809, AA903732, AI301940, AI559518, AW869448, AI625318, AI216199, AI336445, AI476296, AV652658, AW571542, AI272699, AW939116, BF815382, AI832439, AW939111, AI908555, AW079674, AW276067, AV693996, AI290972, BF433428, H41084, AI659188, BF342450, AI865986, AV657785, AV654089, R76336, AI914585,

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HKMMB79	1210	746871	1 - 3223	15 - 3237	<p>AW963614, BG027094, BG110547, BG171898, AU136041, BF526604, BF978411, BG030751, BF344951, BE879367, BG251262, BF115181, BG110240, BF244967, BF112229,</p>

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HKMMC69	1211	852206	1 - 2056	15 - 2070	AI802475, BF197823, N80331, AC018983, AC018983, AC022902, AC022902, and AC022902.
HKMMD91	1212	847394	1 - 1245	15 - 1259	AL519982, BF967372, BF980780, BF665670, BF700126, AW960010, AV705805, AW242930, BF701222, AW243054, BF698599, BF698090, AI765238, BF792179, AI884480, BF665302, AL523974, BF680453, AU128983, BF700291, BF244116, AW264527, BE673812, AI962980, AU151187, AI740875, AL523973, AI962753, AI184691, AI125643, BF670196, N21602, AA995357, AA043296, D59661, R64612, AA902999, AI699654, AA555070, AA279915, AI358374, T65609, N28835, W47016, AI338065, N48802, H99880, AA731502, BF665033, AI681856, N52948, T65543, F09519, T82279, H88842, W47017, AI200973, H97964, AA506271, F11871, T76995, T77162, D62868, D61850, T83570, AW381572, BF360893, AI016351, AI419553, H88841, BE833660, F13800, AA366080, AA043295, AA319227, AA894588,

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HKMMP90	1213	746876	1 - 1891	15 - 1905	BE886059, BF795964, BF756613, BF989947, W27908, AA490782, BE463794, and AC010369.
HKMMU76	1214	690789	1 - 1133	15 - 1147	BG111695, BF974049, AA007674, AW291499, AI765032, AW365802, AI023777, AA496961, AI190786, AI005224, AW957324, AI366034, AI474022, AI650413, AW769465, AW070944, AA004791, AI302622, AI091410, BE818996, AA353032, H80268, AA609615, H80364, H84059, BE048193, N99355, AA747260, R50699, R50698, BE796047, AI863345, AW875786, AA777448, AW608755, AW365819, AW365778, AL161903, AL161903, AL161903, AL161906, AL161906, and AL161906.
HKPAC10	1215	527238	1 - 984	15 - 998	AW950748, BE062476, AV756491, AI122618, AA558814, AU147851, AA878404, AI732171, AC027279, AC009145, AL079342, Z99716, AC004875, AL109623, AL109976, AF001549, AC004965, AF111168, AC004447, AC011479, AC004253, AL079335, AL118520, AL133353, AC004883, AC002126, AC005052, AL121585, AL121983, AC010150, AC005568, U91323, AL359763, AP000106, AP000038, AC002425, AC008745, AC004526, AL020993, AC007386, AC004990, AL135902, AL133215, AL121928, AL031055, AC003101, AC004876, AL163301, AL161659, AC018738, AC007685, AL034548, AC002300, AC005529, AC020663, U52111, AL109963, Z98200, AC003071, AP000558, AL096791, AP001695, AC006057, AL353574, AC007919, AC020552, AL136979, AC006571, AC024561, AC006483, AC010412, L78810, AC005015, AC006343, AL031685, AL358777, AL050335, AC024075, AC007899, AC005837, AL138725, AC006160, AP001710, AC003982, AL137129, AL356299, AP001052, AC020904, AF196969, AC027644, AL365505, AL137787, AC002288, AL035659, AC020916, AC068799, AP001717, AL022315, AC005098, AC004695, AL121753, AC005598, AC006064, AC019187, AP001727, AP001754, Z95152, AL133517, AC073593, AP001745, AC037193, Z95116, AC009516, AL138836, Z98304, AL117382, AL121656, AC009079, AL136137, AP000547, AC009145, AC009145, and AC027279.
HKPAC50	1216	830367	1 - 796	15 - 810	BF244629, AV707962, AV725180, AV705590, AW160372, AI815866, BG257546, BF692362, BF217588,

					AW582874, BF791369, W37299, AV757309, BG027039, AV653630, H04847, N25862, BF980894, AI815948, W37352, AV660251, AA448540, AA429925, T70380, AA335362, H83517, AW340419, AA371853, AA527456, AA335998, AA609167, AI401538, AI128306, AI688458, AI125242, AI025471, AW572768, AI199937, AI340943, AI816022, AA336061, C03494, W73141, AI206522, AI214570, W73169, AA948159, AI816038, BF698302, BF196858, AA335254, BF530814, BE697000, AA961545, AA353780, AA447557, BF002865, AI025721, AA026465, AA747637, AA932319, H42688, AA813134, AA829896, AI832584, N83189, BG231856, N90612, R39634, AI302792, AA687195, R58331, C03116, N78170, AA595580, AI344520, AW663650, AI302218, W37300, AI311025, AA026372, AW131727, N59617, AA670256, AI130698, AI749452, W37353, AW295485, AI948446, W19940, AA748139, AI302176, AW295477, AI279772, AI874275, BF217336, AA316378, H80776, AA953275, AI863995, AA641498, AF067167, AF035840, and X63212.
HKPMA08	1217	608164	1 - 422	15 - 436	AI129638, AV726553, AI570453, AI073388, AW615396, AW204261, AA197209, AI808396, AI362893, BG054605, AV696183, AA055487, AA731430, AA478478, AA417353, AA393534, BE880663, BG222422, AA151305, AW977196, AW137770, AI419484, AI702797, BF924275, AA815067, AA197259, AV696359, BF813196, AI611728, AC004084, AK000690, AC004951, AC004951, AC004951, AC004084, AC004084, and AC004084.
HKTAC18	1218	831292	1 - 3700	15 - 3714	AU118585, BE875298, AV682483, BE708209, AW965424, BF031382, AA908770, AW194236, AA863229, AA292918, AI140754, BF130541, AI921186, AW188519, BG149424, AA878230, AI828605, AW975392, AW875556, AI949757, AI803722, AV749448, AW474515, AI014812, AW474470, AI373797, AU158313, AA526126, AA809213, AW273542, AV715119, AW191931, N62972, AI914731, N50836, AI784523, AA935043, AV681975, W04335, AA741240, N79876, AA814785, AW876605, AI000955, AI096936, AA767593, AA827102, AW876602, AW023275, AI014777, AA480539, BE007133, BF961785, AV659835, BG026599, AI358045, BF367902, AW340779, AW379327, AA280431, AW393163, R88194, AV749193, AW516924, F17499, AI095334, AW972832, AA527642, BE765701, AA334408, AA745802, W03745, AA252969, AI241826, W03727, R33831, AA745278, BE173119, R75838, N73949, AI361182, AV749201, N55158, AA096078, R75839, R33832, BE007129, N74169,

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HL1SA89	1219	839594	1 - 1249	15 - 1263	AL521600, AL525090, BE262804, BE547136, BG107661, BE789160, AW958304, AV721099, AL522503, AL523439, AL521601, BG106455, AL521748, BE262574, AI207733, AA804346, AA988388, AW675646, AA459645, BF229670, AA496480, BE258795, BF154643, BE931600, BG033992, AI859379, BE512994, AA421679, AI499839, AI888905, AI300329, N38981, AI859165, AA582916, AI564782, AI749842, AI185815, AI268532, W57960, BE867262, BF528561, BF767239, W04546, W31706, AL525091, AI298111, BE619539, BF229603, AA676753, AI244331, AA594587, H04777, BF477387, AA844313, AI298648, BG258424, BE732602, BE618928, AI308935, AI245883, BF219495, AI033525, BF229746, BF304314, AA903645, BG248486, AA311089, BE784624, BE387248, AW583270, W05359, BE900921, AI285354, BE787958, AI138807, BE902378, AI873080, AW375994, BE397149, BE889467, AI580861, BF971555, BE269942, R66456, AA459419, W58159, BF229585, AI349461, BE272924, R50965, AI858233, AA617658, AA034329, BF229745, H78823, AW328211, R11323, BE785628, BE908859, H04875, AI343680, AA614085, AA034202, AI143654, AI761693, BE269099, AI750339, BE897046, AV760538, BF229740, AI349463, H43857, R36927, AA772428, W31216, AA903646, BE544485, AW615694, AW328212, H68396, X84715, AW732674, AA045170, AA887883, BG116246, AW768349, AA505411, H91106, AW583764, N48127, BE392342, AA311465, BE312117, T19195, BE886017, AI471013, AA531288, AA577167, BE895921, BE251869, AA514027, AI658764, R52874, BE267176, BF822509, F08915, BF745193, AA252325, BF758131, BE545398, AW797677, AW351493, N30995, AI799621, AW884134, H80200, BE267935, BE267800, AW991482, AA033689, AW673291, BF512122, BE703325, AA902667, AW024793, AI355277, BF885082, AV758825, AI798404, BG256592, AL110306, AI927233, AI929108, AW827276, BE781405, BG166654, AW087199, BF025791, AW007955, BE880182, BF032768, AW827289, BF339322, BF822127, BG113224, BE874133, AI623736, AW673679, AI277325, BE047952, BG029829, BE883591, AW151136, BG110684, AW170773, AI873638, BE622183, BE895765, AI624543, BE540578, BF038131, BF968989, BE906419, AI886415, AV706219, BE967307, AI933992, AI621341, AL045413, BE908988, AI359163, AW090102, BF814357, AI889147,

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HL2AB60	1220	722226	1 - 1462	15 - 1476	AL520442, AL531285, AL520443, BE792097, AL531284, BE621667, BF690262, BG116803, BE560924, BE747813, BF312626, BE791941, BG121470, AU142529, BF027514, BF314485, AI188509, BF527881, BE894858, BG179462, BF338315, BE869808, BE621058, BE559976, BF983764, BE886246, BE908901, BF689714, BF037646, BF204563, BE791735, BF195647, BE394177, BG178405, AV763432, AI885640, AW955277, BG171287, AI139889, AW192757, BE540556, AA126582, AW514286, BE275578, AI471542, BF342545, BE383759, BE746657, BE275902, BF317310, BF311097, BG115814, AA707153, AW971444, BF035026, AI929686, BF975015, AI922286, BF573343, AI986230, AW519043, BF314740, AV693424, BF037577, AA126690, BE255041, AW262764, AI802390, BE313550, AV686706, BE255666, AW513471, BG110901, BE222642, BF983756, AW513461, BF205775, BF850042, BG031578, AI052590, AV760095, AW292986, BE391421, AI951208, BG114019, BF037185, AW242118, AI814534, BE297545, BG231608, AA778452, AI689430, BE513179, AI492545, BE905236, AI570548, BG031885, BF125546, BE276410, BE296205, AI831791, BF304154, BE077127, AI553859, AA814432, BF528493, AI150266, BE220791, BE786008, BE772844, AI338179, AW275146, AI640806, BE394582, BE740591, AA314527, BE728094, N32888, AI202797, AA741541, AI432934, AI432926, AI929842, AI491729, AA001707, AI079942, AI087405, AI362750, AA604195, AA643148, AI709238, AW591492, BE386993, AA828632, AA928269, BG230750, AI521264, BE042710, AA827319, AI041907, W48771, BE772770, AI860984, W74709, AV704255, AI275873, BE243896, BF034094, AA768401, AA191393, AV761594, AA131879, N42379, BF870921, AW188704, AI206563, AA843856, AA315337, AA132301, N47756, AI247783, H58511, AW571805, AA446452, AA565506,

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HL3AE69	1221	695734	1 - 461	15 - 475	AI693219, AV705485, AI917360, BE502476, AI880840, AI590135, R95069, AA494430, AI571198, N33268, AA620909, R94979, BG232096, AI880832, AI657034, AI084601, AW089827, H40030, W87810, H41095, AI202731, AA815446, AI978559, H20484, BE798262, H91837, AA351661, AI057047, AA256147, BE797687, BG008488, AW249439, AA635475, BE277733, N67484, AI394213, AL134336, W96002, BG009635, BF315820, BF311684, BF814263, BF814266, BF814265, BE264145, BE311990, BF814241, AA977090, AC007376, AB028959, AF111169, AF055021, AC007376, AC007376, AF111169, AF111169, and AF111169.
HL3AF32	1222	753468	1 - 2694	15 - 2708	AL133779, AW961788, BF726698, W63676, BE046412, W63789, AA659693, BF114614, BE646183, W60959, AI951970, W94209, AW044233, BF668056, AW663548, W04957, AI139947, AA514302, BF084925, T91396, AA846232, H27231, AW129678, AA789002, AA581966, AA347970, H28581, N20018, AA249370, AA449282, AW188870, AA809643, AA295134, H75715, BE841554, BF378732, T90114, BE841633, T84625, AA610150, BE710736, AI040666, AI279919, AI925869, BF130410, AI925860, AA526037, H75644, BF687723, BE153177, AI690750, BE706664, AA449227, BE706539, AW362955, AI299663, BG035577, AA633424, AA602906, H61476, H59488,

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HLDAV70	1223	623603	1 - 1300	15 - 1314	BF110597, AI248742, BE670352, BG149433, AI241557, BF110596, AW971114, AA508104, BE085529, AX013997, AK025873, AF195120, AK000299, AL158070, AC009236, AL157938, AC016025, AC007739, AC020898, AL133448, AC008450, AC008450, AC008450, AC010309, and AC010309.
HLDBL62	1224	899498	1 - 1008	15 - 1022	BE790903, BE796523, BF116009, AI684645, BE794343, BE265839, AA583491, W68729, BF799656, AA203287, AW884622, AW964271, BE834155, BF906449, AI708212, AI523090, AW082102, AA835187, AW604914, AW854750, BF906480, AA680327, AW854174, BF819762, AI340001, BF945893, BF942044, AW301123, BE798241, AI246763, AI023446, AV651839, AA968970, BF942079, AI248981, AA043288, AI343763, AA994361, AW008759, BE468065, AI285653, BF743522, AI298941, H92535, N58479, H96366, AV653664, AA975619, AA865283, N78069, AI355802, BF224305, AI127237, AW166530, AW881276, AW603180, H60172, AI572148, BF337607, AW882282, H58831, BF942353, H60213, R02769, AV657874, T72190, H58778, AV749420, AA043627, H62571, R74217, W68800, BE936683, BF870583, AA335594, AW579025, AA975971, AA094507, AA632003, BE857731, BF954719, AA953571, AA983209, BG013595, H91637, AW947327, AI299516, T72969, BE794600, BE762607, AV686158, AW881345, AW885068, AW472782, AW050565, R02768, H62493, BF197295, BE762572, H92534, AW840875, AA295250, AW295070, BE936713, AI905688, AA299159, AI282294, AI753467, T25030, BF906478, AF258340, AX011634, AC006479, AC006479, AC006479, and AC006479.
HLDBV18	1225	805684	1 - 2806	15 - 2820	AL515855, AL515854, AL538512, AL514894, AL529058, BG025910, BG034686, BE614203, BG109185, BF036844, BE896043, BE394147, BE884059, BE619369, AW993901, AW149548, AW604570, BF527288, BE868411, BE620028, BG254743, AA534635, AV732177, AW945177, BE348413, AL037719, AW157730, AI309337, BG251351, BE536672, AW007850, N23782, AV693400, AA910366, AL039254, AI921070, AI589660, BE313670, AA148808, BE613451, AA745788, AA224463, AA058967, N21288, BF984161, AW512990, AA915913, BE964468, AI700580, AW157456, AA152253, AI872280, AI885342, BF316145, AI080298, AW438686, AA425378, AA148823, BE868587, AI033801, AA641252, AV719871, AA224464, AW083346,

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HLDCR26	1227	852350	1 - 2624	15 - 2638	AW851074, AV717931, BE865469, AI207482, BE612738, BE873974, BF184568, AV653291, BF037100, AW972563, BE885483, BE645045, BE867177, BF240102, BF242765, BF030093, AI735576, BE617510, BF223433, BE613206, AA633198, AW995140, BF239055, AA604341, AW579694, BF195517, AW851382, N28737, BE865313, AI921152, BE544970, AW820660, AA169632, AA747290, AI635009, AI891079, AI691008, AW571779, AW471244, AW994959, AW835735, BE673984, H15640, AI050963, AW959293, N51249, AA304995, AW610172, N23119, AI273394, AI078737, AA858155, AI954942, AA305536, BF224124, AA052957, AA186555, AW958551, AA970956, AW954458, AI829956, BG026147, N42607, AI582597, AW851380, AI342662, AA036791, BF035526, AI680410, BE350914, BF382330, AA419613, H98538, BF208862, N32936, AA731597, BE645912, H15641, AA135469, AW361271, BE812154, AA476871, AW361269, AA682578, AI281225, C75389, AI285111, N24588, BF208406, AI867118, AW361276, AA431191, AA947230, AW080990, AI268194, BF511496, W00499, AI494636, AA989512, AA505992, AA010053, AA382100, AA583565, AA135174, AA581103, AI811791, C01585, AA301521, AW674716, AA301522, N91157, BE813387, AW610174, AA417036, AI370579, H98565, AW753296, AW798776, AA171674, AW578430, R67025, BE246020, AA525340, R65645, AA360374, AW954455, AA431517, AA903447, N66341, W42795, W02929, AW361284, AW754160, AW805555, N74535, H96786, AA634867, N72220, AW020945, BG168639, AA505759, AA417158, AA055783, BE169602, D31482, AI824363, AA643657, AW579014, AW300357, AA968790, AA810403, AW579012, BF447156, BF436967, AA620479, BG036579, AL047275, BE830718, AA748835, AA775164, BE093758, AA036792, BF095995, AW604885, AA029200, BF738841,

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HLDDM27	1228	850360	1 - 773	15 - 787	AL525666, BG259064, BF128797, BF526935, BE383508, AL528195, BF690269, AL525618, BE621718, BG258461, AW249909, AI829665, BE293501, AW245414, BE620026, AU151030, AU159576, AA165702, AU150487, BE621867, AW001122, AI590065, AU150478, AU153438, AI460299, AA826661, AI828673, AI361812, AI832806, AW872952, AW152498, AA707667, BG033610, AA054325, AI885306, AW001448, AU148607, AU153957, BF339438, BF664196, AU148297, BE856751, AI151144, BE205993, AL538215, BF026897, BE675620, AU159562, AA780357, AU159572, BE502091, AI889476, AU153645, AA541746, AI126768, AA287268, BF940144, AW519054, AI421313, BE293785, AI524106, AW004927, AW068437, AI469708, AI334168, AI081478, BE383511, N94458, AW166139, AA699659, AI130873, AW192941, N99133, AI185307, AA009730, AA588567, AW130170, AA101577, AI190296, AU146101, AA574115, W52553, AW151608, BE676134, AI798128, AA688105, AA706850, AA554618, AW150787, W58695, BE535322, BF432360, AI312570, N93377, W30736, N33493, AW173619, AA858339, AA991645, AA603972, AA622928, BE221640, AA147198, AA775580, AI371329, AA022628, AI088642, AI422904, AA485231, H24371, AU153137, AA159326, H19346, AW057707, AA113180, AW263028, BE246136, W72377, AA962146, AI128190, AA678910, AW276271, BG119825, AA768731, AA738051, BE220894, AW960305, AW651609, AA232191, AI301891, AW088126, W74087, AW090212, AI479772, AW168839, AI572674, AA761307, AA176358, AW614886, BE243382, AA810230, AW513334, AI087407, AI675208, AW874545, AI608693, AI355558, AA055666, AI619875, AI032127, AW474122, AW079802, AW731724, AI952121, AI095870, T51830, BE618561, AA831791, AI521572, AW473205, N23678, AI418078, AA156328, AW872792, AI469415, AW440466, AW192121, AA306032, AI005378, AA158479, H41015, AW169203, AI475322, AW118249, AI061106, AW512541, AI682606, BE797957, AI186946, AI433988, BE621201, BE315467, AA158381, BE619367, AA079720, AI762365, AI766435, AI926086, H17470, AW613591, BE245924, AA099230, AW189988, BG036329, AA151615, AI687227, AA688370, BF791766, AW082612, W05210, AA852174, AA281791,

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HLDDM27	1229	881984	1 - 785	15 - 799	AL525666, BG259064, BF128797, BF526935, AL528195, AL525618, BE383508, BF690269, BE621867, BG258461, BE293501, BE621718, BE620026, AW249909, BF664196, AW245414, AI829665, BF026897, AU151030, AU159576, AU150487, AI590065, AW001122, AA165702, AU153438, AI460299, AU150478, AA826661, AI828673, AI361812, AI832806, AW152498, AW872952, AI885306, AA707667, AW001448, AU148607, AU153957, AL538215, BF339438, AU148297, AI151144, BE675620, AU159562, BE205993, AA780357, AI889476, BE856751, AU159572, BE502091, AI126768, AU153645, AA541746, AI087407, BF940144, AI421313, AW519054, BG033610, AW004927, AW068437, AI524106, AI469708, BE293785, AI334168, BE535322, BE383511, AW166139, AI798128, AW192941, N94458, AA699659, AI130873, AW130170, N99133, AI185307, AI418078, AA287268, AA588567, AA101577, AI190296, AI081478, AU146101, BE676134, AA009730, AW151608, AA574115, W52553, AA688105, AA706850, AA054325, AW150787, AA554618, BF432360, AI312570, W58695, AA485231, AW173619, BG119825, N93377, AW960305, W30736, AA858339, H24371, AA622928, AA603972, N33493, AI088642, AI422904, AI371329, AA775580, AA113180, AU153137, H19346, BE221640, AW090212, AW263028, AA768731, AW057707, T51830, AA678910, AA176358, BE246136, AA962146, AW276271, AI128190, BE220894, AI301891, BE618561, AW651609, AI479772, AW168839, AW088126, AA232191, AI572674, AW614886, W74087, AA738051, BE243382, AA810230, AW513334, AW874545, AI355558, AI675208, AW613591, AW079802, AA158479, AW474122, AW731724, AI095870, AI952121, AI032127, AA147198,

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HLDNF18	1230	821599	1 - 1712	15 - 1726	AI762874, BG181061, BG029934, BE741765, AI674791, BF666745, BE904311, AW954849, BE219311, AW954043, AI276484, BE465197, AW205759, AA976248, AI422894, AI400084, AW341397, BF447671, AI127180, BG251035, BF196141, AI671157, BF475963, AW009017, BE326318, BE218835, AI278183, AA455318, AI039711, AI082634, AI536624, AW137128, AI184021, AI912127, AW014838, AA884620, AI814108, AA992557, AI420403, AA242741, AA423822, AA976249, H87044, AI871050, AA910054, AW341215, AA293585, AA960906, AI215906, AA421611, AA291568, AA884250, AW296512, AI244330, R88283, AA314432, AA928066, F37886, AA419081, AI522232, BE833848, R77308, AA659558, BF939420, H14133, H14077, BE833850, R86712, BF932337, AW802175, AA887721, BE833789, AI468647, AA767469, R86713, H45831, BF594455, H87708, AI474163, BF927687, AW138723, AA382709, AW247977, BF570928, AI572188, AA242762, AA406276, BF800745, BF987769, AI968554, BF742929, AI611453, AW249727, AA923711, AI361199, C00900, AW393192, AW393206, AA913682, AW945168, AF155330,

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HLDNN84	1231	612801	1 - 922	15 - 936	N71583, AI825152, AC024584, AC006088, AC011484, AL135839, AF191069, AP001330, AC005874, AF134471, AC011462, Z82208, AP001707, AC073898, AC006483, AC018738, AL024507, AC011473, AL035683, AC021558, and AF207954.
HLDOD77	1232	610208	1 - 684	15 - 698	N77243, AW410784, AW591746, AL120282, AA602540, AI149061, AV761558, AC007226, AC024075, AC025588, AL133387, AC005995, AC007151, AC011475, AL035398, AC008764, AC011479, AP000689, AC006088, AC010677, AC008569, AL133163, AL023807, Z83822, AP000512, AP001435, AC004867, AC008745, AL109613, AC003108, AP000008, AP000704, AL162615, AC004967, AC005105, AL135749, AC006942, AC005236, AC004166, AC004685, AP001727, AF053356, AL035086, AF001549, AL121655, AL162430, AC008770, AC005562, AL035587, AC004263, AL121890, AC005052, AL109623, AC011469, AC005844, AC010618, AC002365, AC001226, AC020552, AC000403, AC004491, AC002094, AC005488, Z97056, AC004876, AL050307, AL049830, AC009314, AL009172, AC005067, AC015651, AD000671, AC002407, AC006329, AL035425, AL355094, AC005484, AC002288, U91321, AC011500, AC005082, AL138836, AP000466, AL121601, AC004821, AC002565, Z84466, AC006483, AL109976, AL049766, AC006512, AP001712, AL163249, AC008521, AC016995, AC013734, AL049760, AL139109, AC005756, AC011895, AC008066, AL109930, AC005736, AL022326, AL034380, AC009248, AC068799, AC010200, AC024561, AL109984, AC010748, AC006480, AP000493, AC004840, AP002898, AC011470, AC008555, AC020906, AL355392, AC025594, AC002314, AC005005, AC006205, AL121933, AC004019, AL049776, AC010412, AC018639, AC018642, AL445483, AC008372, AL353653, U91323, AC005098, AC005923, AL049539, AL132639, AC011449, and AC004826.
HLDOL74	1233	812765	1 - 889	15 - 903	AL519874, BE304985, AI743028, BE293829, BE293425, BE304953, BE906130, BE293734, AW664876, AA603030, BE250481, AA909777, BE293770, AW075749, AI621202, AI992048, AI832491, BF434073, AI807194, AI913854, AL531596, W58610, AW181918, AA643224, AA564217, N91666, AI423265, AA586948, AI143782, AA827280, AI147661, AI097390, AA142974, AA927072, AI741764, AI023822, AA071484, AA626465,

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HLDPB24	1234	853440	1 - 1957	15 - 1971	W31112, BF515721, N99942, Z41966, AC004844, and AC034280.
HLDRU08	1235	701995	1 - 1072	15 - 1086	AW888219, AL529421, AU119842, AI056268, AL519395, BG107577, AI343372, AW769171, BF344227, BG119518, BF219098, AL529422, AW960952, AI027361, AI139495, AW960953, AU120950, AI924719, AW960954, BE293139, W23031, AI660874, AI491951, BF360709, BF769120, AW087171, AA044040, AA258433, AA258473, AL519396, AA447181, BF081346, BF304496, AA665778, AI401464, AA323852, AW961328, BE296935, AA043987, AW627646, BF759897, AI206793, AU132805, BG120802, AA588294, AA460097, BE896064, AW594473, AA316032, AA603138, BF934203, BE538657, BE152612, AW882106, BF742285, AW367071, AI439142, AI932561, AA249413, AA249549, AI783947, BF687519, AA303874, BG037202, AA316121, BF328792, BF328783, AW084101, BF878499, BF846654, AF237771, AK001655, AB045321, AF237774, AF264766, and AF264765.
HLDXF43	1236	514022	1 - 545	15 - 559	AV743422, AV736417, AV738384, AV758509, AV735903, AV742141, AV739554, AV739141, AV740814, AV743505, AA147875, AV662056, AV743236, C17914, AV754694, AV736568, BE894355, AV740392, AV736229, AV735565, AV740013, AV736534, AV742849, BG255441, BE881459, AV741386, AV746446, BE897892, BE875738, BE879085, BE875120, BE878914, BE869945, BE879780, AV754263, BE875192, AV737802, AV662035, AV727492, AV727233, AV729342, BE873808, AV737807, BE880006, AV753910, AA745378, BE616542, AV743782, AV754205, AV649910, AV738019, AV754050, BE875639, C17520, BE895229, BE878715, AV753953, AV735877, AV744650, BE868795, BE873309, AV754259, AV740892, AV737819, BE885122, AV741741, BE893671, AA522594, BE881586, AV742316, AV736027, AA468916, AV736953, AV737831, AV737590, AV753772, AV753647, AV742221, AV735783, AV742369, AV737138, AV754667, BE878118, BE890809, AV736364, BE876580, AA143576, AV740617, AV744190, AV737048, BE874288, BE868898, AV737560, BE880796, AV660095, AA194687, BE878132, AV695515,

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HLEAA10	1237	824265	1 - 1411	15 - 1425	AL528595, AV713754, AW962016, BF970902, AW055198, AI380445, AI635647, AA357841, AA779676, BF743200, BG178607, AW247142, AA872060,

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HLEAA24	1238	745383	1 - 2310	15 - 2324	AA357623, BE671811, BF693827, AA581594, AA862943, BE145059, AI797190, AA442338, BF925891, AW050476, AI301139, BF927411, AL109610, AF045448, AL163280, AC005764, AF064860, AC008069, AL049743, AC019187, Z98304, AL096772, AC020939, AL355384, AC022163, AP001705, AD000813, AL356954, AC008243, AC007073, AP001331, AL352979, AC006972, AL445647, AL121875, AL359313, AL031114, AL136100, AC007671, AC005186, AC062033, AC008372, AC022816, AC005400, AC006984, AC012065, AL162272, AP001039, AL122007, AP001732, AC010361, AL079352, AC007270, AL392173, AC061958, AC007327, AP001625, AP001747, AB020874, AC006148, AC007749, AL133391, AC004980, AC009263, AL133512, AC003686, AL035670, AC005053, and Z97205.
HLHAE14	1239	865625	1 - 2027	15 - 2041	H49208, AI248942, AA358780, H60492, H60446, AI243090, H49394, AP001724, AL031591, AC006924, AC012447, and AC012447.
HLHAE14	1240	886763	1 - 2040	15 - 2054	H49208, AI248942, AA358780, H60492, H60446, AI243090, H49394, AP001724, AL031591, AC006924, AC005234, AC012447, and AC012447.

HLHBS54	1241	837503	1 - 4024	15 - 4038	<p>BE793391, BF037440, AW411431, AW411432, AV723798, AL118640, AA421652, BG028281, AI141739, BE296303, BF980969, AA569352, BE729319, BE619348, AI093588, AI056382, AI751145, AI830945, AW959700, BE746540, AI978744, AA203147, AW385187, N36100, AI131280, BF058207, AW385194, AW964924, BF996174, BE895496, AI697330, BF855572, BE298675, AA572769, AI431821, AI306411, AA129607, BE910210, AI270378, AW675183, AA284276, AI697452, BF943592, AA613934, AA459541, BF205506, AW580438, AI591380, BF943589, BE295387, AI830868, AI521845, BE783079, AA613025, W79827, AI658493, AA658343, BF943544, AI658483, AI640733, AA453151, AA171976, AA180412, AI066480, AA179828, BF858120, BF943550, AA464519, AI074418, AI827350, AI818147, AI079578, AA180376, AA970308, AA569579, AI038151, W78160, W07621, R53199, AI431691, AA180411, AI266113, AW390238, N24863, AA227163, AA612938, AA641053, AA172124, N90891, N31800, AA464520, BF931838, R54307, AA459310, H44552, AA084338, R51916, W46679, BE616851, R78942, BF943548, AA421653, BE615849, AA347837, AV750071, F34347, AI423886, BE008604, BF943546, H13879, BF760832, AW673014, H44340, BG057969, AW517794, AA326083, W46632, AI202612, AI342718, AA243222, AW080737, AI421139, AA218676, BF512353, T46960, AA613817, R62938, N27571, AI033297, AW290974, AI081667, W47438, T46961, R22209, AA515732, H53863, AI184234, BF871105, N80888, H53491, AA359923, R62937, BF987671, W20465, BF758781, AW340070, AW085155, BG002164, AW235210, AI086770, BE550493, BE905433, AA928979, AW440085, AA377667, AA844367, AI146951, W38558, H44339, AI682869, AA004374, R71722, AA366837, AW081995, AA226808, AI751146, AI733856, BG009211, BF805088, AA080904, R22263, BG222608, AW979191, BE315483, AW069227, AA833875, AA833896, AI634187, N57681, BF845136, AA315361, W32717, BG000735, AI923052, AI457313, AV762633, BG056362, AW805539, AU144540, AW265688, AU147162, AV695478, BE208115, AI890324, BE178489, BE245576, AA410788, AW970987, BE139139, AI250552, AW872736, AI284543, AA602906, AA441810, AA904211, AI884522, AW674631, BF965775, AI254770, AV759632, AW068596, AL524675, AI251284, BF916784, AI251034, AI251203, BF795891, AI583142, H73550, AW978041, AA916430, AW067788, BE138387, BG010084, AA669155,</p>
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HLHCB33	1242	638208	1 - 1660	15 - 1674	BE814898, AV727741, AW263074, AW778955, AW628106, BF246476, AW025358, BF327332, AA359704, AW515221, AW271962, AW140045, AW271831, BF198061, AI537198, BE184585, BG163300, I89933, I89932, AP001265, AP001265, AP000751, and AP000751.
HLHCF14	1243	834846	1 - 864	15 - 878	AL523808, AW469920, AL523807, AI568880, BF509324, AA948085, N66861, BF996223, T93125, AW340774, AA621512, T93228, R64521, AI400266, AI242972, AA777337, AA359318, AA337376, BE177010, AW952614, BE176899, AI700651, BE176900, AV738340, AW975618, D81026, AV719876, AW964532, AV742050, AW949645, D80164, C15076, AV742732, D59467, AV724520, AV718530, AV741220, AV720150, AW973541, D59787, AV701004, AV718489, AV718692, AW965158, AV741187, AV741198, AV741191, AW964468, D80522, D58253, AV718800, D80132, C14429, D80045, AW753053, AW959799, AV719468, AV744662, AW960553, D80195, D80022, AW752082, AV744012, AV718681, D80134, AW966053, AV742029, AW949630, AV699550, AW965163, AW966075, AW966065, AW966054, C14389, AV742736, AW960465, AW966013, AV719783, AW949642, AW966534, AV720464, AW975621, AV741221, D81030, AW178893, AW966062, AW949654, D59502, AW966050, AW975605, AW966041, AW966022, AV719822, D59859, AW966531, AW978634, D80269, D59275, D80227, AV699927, D58283, AV720791, AV699901, AV719188, D80133, AW966043, D80166, AW959597, AW959570, AW965185, AW965197, AV699866, T03269, D80193, D51799, D80188, D59619, D80210, D80251, D80391, D80248, D80240, D51423, AW978661, AW965177, AW960564, AW949641, AV741189, AW958992, AA305578, D80253, AV719324, AW973488, AV720203, D80212, AW973307, D80043, AW959469, AW949632,

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HLHCG24	1244	847398	1 - 1120	15 - 1134	<p>BE740977, BF311747, BE314023, BF313801, BE259986, BE384298, BE729725, BE281544, AW959171, BE261443, BE903577, BE797920, BE743355, BE384133, BF346571, AA358623, BE312517, AA302818, AA296949, BE312406, BE260554, AW504485, AI284640, BF681619, AV756491, AA410788, BE259941, AW271904, AU147162, AW819125, AW023111, AI923052, AV763026, AV763058, AW500029, AV710482, AW270385, BF804385, AW270256, AW080811, AI733856, AA904275, AI279417, AW779609, AW500684, AV738383, AV760508, AV759632, AA468022, BF589824, AI254779, AI755214, AW575605, AI345695, AI754170, AA535216, AI754105, AI745151, AI754567, BF725318, AW855803, BE150796, AI635440, AW574976, AI056177, AI246796, AW073470, AW975049, AA284247, AW277253, AV762633, AW438856, AW805539, T05834, AL121385, AV740009, AW576251, AA584489, BE138594, AW410354, AW851405, AL046746,</p>

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HLHCH20	1245	753464	1 - 1246	15 - 1260	AW249934, BE547510, AA551120, AI832882, AI633737, AW183063, AU149080, AU117154, BF037000, AI761901, AA278239, AU144060, AI024940, AA278697, AW510829, AU149750, AA210703, AI216210, BE770974, N45096, AA661524, BE770951, AA747292, AA228403, AA776832, AI858350, AA935851, AA573588, AI498965, BE543238, AU149592, AA430678, AA897370, T84858, AA908193, AW516447, T67157, H95518, BF888072, AI023657, AA470685, AA464744, AW959205, AA358691, AA146766, H85680, AI925751, T67158, AI217855, AA811245, AA359108, AW607981, T91275, AA995914, AA709183, T84226, T54169, AA935092, AA278579, AA886131, AI758427, AW386032, H84750, BF772623, AW934879, AA620622, AI467925, AA146765, AI925748, AA258073, AA228402, AW796192, BF772221, BE839795, AK027229, AK022788, and AB029034.
HLHCN51	1246	836150	1 - 1804	15 - 1818	BE276537, R63422, U54713, U60799, AI376322, BF835206, U47924, AC024481, and AC024481.
HLHCT96	1247	886178	1 - 2140	15 - 2154	AW965008, AI076616, AI951863, AI567674, BG177715, AW510513, AI917156, AA610271, BE387734, AV725627, BE796439, AW021583, AL040921, AV764406, AU118745, AI053623, AI679294, AI053790, AI679871, AV719751, AW964365, AL046409, AW964364, AI445582, AI284640, AI744188, AL120483, AL138265, BF126031, BF813686, AA491814, AL042420, AV740801, AI801482, AW193265, AI431303, AW970915, BF677892, AF330238, AA586458, AI282832, AW243793, AV760777, AV710387, BF965406, AL119691, AV764307, AW969629, AI334443, F28204, BF668217, AI613280, AV760937, AW008212, AW247819, BG249643, AV705998, AI654588, BE047069, AW513362, AV763354, AI281881, AI568678, AL048626, BG231262, AA838140, AW979060, AW975987, AU155168, AV710066, AI270117, AW439558, AL041690, AA587604, BF311000, AV763540, BG109996, AA812139, AI708009, AI345654, AV762139, AW833862, AA101689, AI754658, BF942454, BF592200, AI368256, AV762009, AA581903, BE139146, AA577906, AV691147, AV728425,

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HLHDC33	1248	779499	1 - 933	15 - 947	N47880, AW363838, BF334493, AL358857, AL358857, AL139133, and AL139133.
HLHDF92	1249	846331	1 - 794	15 - 808	AV647654, AV707117, AV707948, AV724987, AV652808, AV727103, AV707088, AV703417, AV705504, AV705234, AV707783, AV704592, AV706104, AV702787, AV702409, AV702869, AV704974, AV728715, AV656240, AV701728, AV709897, AV702498, AV701611, AV659189, AV726830, AV709935, AV727932, AV706183, AV707171, AV709407, AV652156, AV707686, AV729357, AV702537, AV701783, AV703012, AV705047, AV728872, AV728270, AV702958, AV707690, AV707882,

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HLHDJ05	1250	841732	1 - 825	15 - 839	BF821897, AA410788, BF821009, BG222196, AI056177, AV764259, AA904137, BE138484, BF905660, AA228778, AI369580, AW575000, AI733856, AU147162, AW067788, AW088133, AW504299, AW068008, AW068007, AI587565, AI791211, BF904491, AA719073, BF904486, AI821947, BG250286, BF905651, AL042373, BF905663, AA284247, AL138832, AC008392, AC005231, AC002468, AP000354, AL031680, U47924, AP001727, AP001725, AC025593, AF195658, AC002316, AL137064, AC006208, AL022163, AF111168, AP001712, Z83844, AP000688, AL158040, AP000501, AL121890, AC006512, AC024563, AL049748, AC005015, AC009116, AC016656, AL031283, AF168787, AC002425, AC009244, AC008649, AL049780, AL139100, AC018801, AC007057, AF196972, AC011895, L05367, AC016543, AC005102, AL158159, AL157713, AP001726, AL133245, U95740, AC005330, AL391602, AC004491, AP001717, AC020934, AC006530, AC010352, AP000208, AP000130, AP001724, AC011449, AC016652, AC007226, AL133232, AC002314, AC011452, AC004128, AC008265, U95742, AL096699, AF254822, AL031597, AC007435, AC004913, AF031078, AL138706, AL034405, AP001754, AL096766, AC004805, AL024498, AC025588, AF053356, AC006480, AL023879, AL356299, AP000141, AC004851, AC002369, AC007774, AL109897, AC005914, AC005180, AF030876, AC005041, AC006368, AC006236, AL157838, AC007227, AC005323, AL035587, AL049569, AL137784, AL080242, AL353807, AC006012, AC011465, L78833, AC005082, AL080317, AL121933, AC023051, AF190465, AC009228, AP001442, AL135818, AL121656, AC006040, AC009311, AL136228, U82668, AL021707, AC007957, AL136304, AL132772, AL023284, AC000070, AC011479, AC004149, AL022476, AC006111, AC005703, AL136131, AP001610, AC005220, AC008267, AC005052, AP001707, AP000557,

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HLHDL37	1251	847399	1 - 957	15 - 971	BE139636, AI765082, N59137, AA666332, AA703825, AW963901, AW963904, AC016655, AC010419, AP000553, AC002543, AL032821, AP000557, AC013436, AL132777, AL137797, AC007404, AC007787, AC023425, AC005089, AL022238, AP001712, AL137059, AC007098, AC004089, AL118520, AC004019, AC002316, AC002470, AC006111, AL162272, AC005015, AC004097, AC006077, AC016898, AL353812, AL158201, AP000348, Y14768, AP000505, AC007383, AC006537, Z97056, AC006430, AL162615, AL359292, AL035400, AC010422, AL021026, AC018663, AC007371, AC009516, AC010412, and AL354720.
HLHDL69	1252	883335	1 - 2337	15 - 2351	BG035669, BE906066, AW192879, BE502489, BG167933, AI636759, AW958803, AW958798, AW304786, AW966067, AV726634, AW499902, AI818087, BE551739, AI962811, AW002879, BE907852, BF197557, AW966216, AI139820, AI703385, BG231549, AI765960, AV723104, AI420752, AA287817, AV724367, AI660053, BF132412, AW995337, AW134652, AW051811, AA830471, AI917176, AI761208, AI797936, BE466159, AI923951, BF183857, BE220074, AA938723, AW408136, AW837534, AA031728, BE898378, AI307761, BE219452, AI885507, AI088217, AV723103, AA972358, AW337437, AA599138, BE042863, AI307334, AV723166, BF247256, AA478708, AI347549, AW136648, AI310382, AW407219, AW517973, AA721966, AI377084, R54281, AA973851, AA478573, W45294, AW407970, AI033131, AA810858, AA031619, AA307073, AW002244, AA076314, AV649960, AA534598, AI694925, AA761785, AA827338, H88051, W65479, AI828859, C75311, AA913468, BF904403, AA323865, AW837600, AA772486,

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HLHDL69	1253	850691	1 - 2502	15 - 2516	BE907852, BG035669, BE906066, AW192879, BE502489, BG167933, AV724367, AI636759, AW958803, AW958798, AW304786, AW966067, AV726634, AW499902, AI818087, AI962811, AW002879, BE551739, AV723166, BF197557, AW966216, AI139820, AI703385, BG231549, AI765960, W53019, AV723104, AI420752, AA287817, AI660053, AW134652, AA830471, BF132412, AW995337, AW051811, AI917176, AI761208, BE466159, AI797936, AI923951, BE220074, AI307761, AW408136, BF183857, AA938723, AW837534, AI885507, AA031728, BE898378, BE219452, AI088217, AA972358, AW337437, AA599138, BE042863, AI307334, BF247256, AV723103, AW136648, AI347549, AI310382, AA478708, AW407219, AW517973, AI377084, AA721966, AA478573, R54281, AA973851, AA009923, W45294, AA307073, AA810858, AW407970, AI033131, AA031619, AW002244, AA076314, AV649960, AA534598, AI694925, AA761785, AA827338, H88051, W65479, AI828859, H65908, C75311, H73031, AA913468, BF904403, AW837600, AA772486, AI655884, BG150148, AA323865, AA453971, BF856438, AA111854, AA076486, AA887506, BE968507, R51893, AI619514, AA732750, AA708726, W65430, AA046962, BF434548, T10188, BE170717, AI915339, AA383766, AI243262, W40166, H88262, AA365997, AA046897, AA847922, R00439, AW837536, T60023, BE161276, BE774532, BE161271, AI032598, BE161274, AA644330, H30061, H30071, AA337185, AA234173, H65822, BG032221, BE764245, H77921, AA847923, AW510703, AA740776, AI910068, AB000280, AC023437, and AC023437.
HLHDL69	1254	843836	1 - 2542	15 - 2556	BE907852, BG035669, BE906066, AW192879, BE502489, BG167933, AV724367, AI636759, AW958803, AW958798, AW304786, AW966067, AV726634, AW499902, AI818087, AI962811, AW002879, BE551739, AV723166, BF197557, AW966216, AI139820, AI703385,

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HLHDM38	1256	566843	1 - 1091	15 - 1105	AA714834, AI718247, AI814340, AA001344, AI190321, AI499266, BF111803, AA897648, AI091271, AA243850, AI707610, AI832024, AI660641, BF306810, BF195939, AI886810, AA280331, BE857635, AA232989, AI014672, N49790, AW169874, AA744777, AI078790, AI718088, AI718693, AA811481, BF478139, AI057060, BF478204, N49687, BG036276, AA642417, N52465, AA233243, AA233550, AI222478, AA233664, H08534, AI400093, AA688184, AW016760, T71573, AA001973, AA834175, AA731538, AI400546, AA490380, AA233167, BF593750, AA625822, BF840113, AW003128, AW020873, R44856, AI245448, AA280373, T78016, H05539, AI242919, AW975454, R07470, AA905176, AV740549, T82027, AA040807, H27829, H27766, R91559, N59846, N80843, T63399, AV734865, AI373057, AW468004, AA644294, AW895722, BE827535, AI373077, AA283403, AV682174, AI337200, T78179, T63544, AA283467, T11506, AF217507, AF217522, and AF212222.
HLHDR92	1257	692150	1 - 1260	15 - 1274	BF751662, AA443390, AW303941, AU120977, AI905408, BF875339, AL134531, AA812058, BF993627, AA578326, BG223424, AA214316, BE328286, AA199578, AW177869, AA729166, AW404543, AA533660, AA523834, AI801563, BG223498, U95740, AC003104, AC012597, AL031663, AF152365, AC007383, AC006277, AL121574, AL353804,

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HLHDY94	1258	847121	1 - 1477	15 - 1491	AW080564, AI567517, AW005444, AU116980, AW084727, AW081727, BE501094, BF965919, BF526687, BF569119, AW263839, AU117051, AW511618, AI291813, AW963350, BF340996, BF337071, BE350790, AW058516, AI138379, BE301124, AI037951, BE855549, BG059691, AU143977, AW264377, AW611766, AI888338, AI635223, AW873013, AI815107, BE673289, AW963825, AW469994, AA858421, AI436099, AI493992, AI356726, AW007248, AW152074, AI307655, AA599739, AW316732, W49830, AI458446, AA680023, BF058593, AW131128, AI624160, BG056341, AA600363, BG056342, AI167943, BF511417, AW193387, AA126747, AW191919, AW102791, AW302449, BF339085, AA678612, AW168491, BE677044, AW067786, AW073602, N91509, AI566821, AI283951, AA375746, N93295, AI432070, AI282748, AA136053, W68357, BF445594, AW025695, BF438359, BF678647, AW473353, AI049537, AI206922, W68492, T32364, AA857064, AA953297, AI989683, BE257144, AW139746, AI587375, BG152451, BF511475, H52325, AI826662, AA302318, AI653746, AA454886, AA326947, AW269712, AW083708, AW779835, AW262499, AW263307, AI478184, BE259066, BF357900, BG249186, AW613858, AW150548, AI219003, AI361540, BE645889, AI888773, AW270876, D29330, AI197982, AI904552, AI015731, AW300607, H52232, BF214983, AA603954, AA334874, AI940172, H16225, D29084, C00996, H16226, AW166307, BE856602, AI202097, AI658937, AI540540, AA342097, AA405572, AW594037, AI638542, AI650989, AI803487, AI867907, AI371537, BE907653, BF340130, W06850, AA126707, BG059797, AF074691, AA587196, AA837640, AB014609, U58856, AC005821, AF107292, AF134838, AC005821, and AC005821.
HLHEE27	1259	815512	1 - 3031	15 - 3045	BE899247, BF589344, AI795991, AI473783, AI457440, AI990709, AA058964, AI147503, W68155, BE898883, AU146942, BE858307, W74754, AW771902, BG109324, AI377742, W67696, AA699830, AI140079, AI862807, BF593381, AA044089, AW340727, AI138351, AI673013, AI911909, AW243417, AA918817, BE206772, AI131492, AA677470, W69133,

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HLHEE38	1260	824064	1 - 866	15 - 880	BE880751, AA115299, AA127927, AA115339, AL047019, AA126735, AA128247, AA127895, AI207922, H16408, AW069525, R40004, R49263, R85148, AL031595, AL008723, AL031595, and AL031595.
HLHEI72	1261	874180	1 - 1140	15 - 1154	BE885106, BE899213, BF377729, BF377734, BE019844, AW028814, AW175795, AA836348, BE009283, BE301302, AW500307, BE884937, AW819130, AA643902, AI914747, AA767864, AI284126, BE147845, AW833648, AW833647, AW833643, AL120311, AI364798, AI061577,

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HLHEX62	1262	608285	1 - 1110	15 - 1124	<p>AI801565, H37919, AW511911, AU143951, AW175786, BF930782, BF930048, T55043, R27511, AA601376, AI590442, BE138520, AV712092, AA526542, AW063541, AW063526, AI932892, AI797998, AW576388, AI745666, AW008217, AK021441, AC020934, AP000694, U91327, AL034405, AC004913, AF243527, AC004890, AC005081, AC007421, AC010627, AC005839, AC007850, AP000553, AC004876, AC011480, AC005484, AL020997, AF168787, AL109797, AL031295, AC011475, AF207550, AC004019, AL133448, AF134726, AC011462, AL158830, AL157372, AC007298, AC004967, AP000008, AC002077, AC010271, AC004867, AC004491, AD000092, AL133211, AF205588, AC004166, AC003665, AP001748, AL139286, AL034420, AC018738, AC006441, AL135927, AC007227, AC002351, AC025588, AL136418, AC002472, AC005516, AC005399, AC006345, AC007057, AC005527, AC010422, AP001760, AC008543, AC006241, AC004686, AC009756, AC027319, AC004150, AP000704, AC007622, AC005288, AC025593, AL162505, AC006511, AC083866, AP001711, AP000503, AC004847, AC012309, AC008265, AL353804, AC005808,</p>

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HLHFK59	1263	581065	1 - 802	15 - 816	AW772231, AI628760, AA926979, AL040319, BG249582, AW827207, AV660592, BG026746, AV760584, AL048656, BE965067, BF904263, AV713665, AV713669, BG112239, BG257535, BG251104, BG110517, BG168549, BE904902, AA911767, BF882343, AI537677, AW071417, AI343059, AI349933, AL119863, AW238730, BG029829, BG109270, BG027280, BG179993, BG036846, AA640779, AW673679, BE964876, AA572758, AW834302, BF816811, AL079963, BE047852, AI340603, AL036802, BE966498, BF970449, AV682787, AV734259, BF793324, AI251974, BE964614, AI590120, BE965121, BF904193, AI340519, AI349645, AI923989, AV702994, BE910373, AL041150, AI538885, AL038605, AI284131, BF526020, AI174394, BE965621, AV714975, AV703585, BE965481, AI348897, AL514819, AV738991, BG165260, AV755207, BG026428, AI886753, BF909758, AW059828, AL038445, AC004507, Z99297, AC005291, AL050310, AL158196, AC004383, AC004554, AC006313, AL391122, AL080239, AC002416, AC004507, AC004507, and AC004507.
HLHFP09	1264	805967	1 - 1218	15 - 1232	AA992948, AI638341, AW134923, AI038302, H54037, AI581139, AJ007581, AF314058, AL021578, AJ006140, and AL021578.
HLHGG78	1265	638210	1 - 840	15 - 854	BF967837, AI086076, BE813563, BF432976, AA479820, AI126256, BF110160, AA573873, AI493530, AA447455, AA643067, N51389, AI032793, AA781029, AA629918, AA594551, AA148791, AW062717, AA479474, AA086458, AA150300, AI289025, AW062693, AI435022, AI652271, AA505932, AI654799, AA838460, BF939030, BF945961, AA030012, R34884, BG055342, W05069, BF447699, AA446652, AA284655, AW665402, AI341331, BE674245, BE858825, R56685, BF115981, BE502174, AI184633, BE674712, AF034174, BE817212, BF437593, AA256802, BF590694, R37522, BE044238, R27646, BE796938, H62050, AW954578, AA089881, AI767342, AA215717, AW674595, AI743587, AI923211, AI806605,

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HLHSG15	1266	668247	1 - 2078	15 - 2092	<p>AL515826, AL119219, AV715361, BF980128, AV650881, BF980045, AA524019, AV650886, BF341382, AI140326, AL515465, AV649635, AI457836, AV756884, BG028526, AI813685, AI185629, AW028038, AV711501, AI808798, AI094821, AL515466, AI820046, BE834481, BE789320, BE178346, BE178031, BE178177, AI633143, BF197142, BE178004, AI816930, AI096795, AA447266, BE178023, AA234459, AI703330, BE936920, AA706011, AI889382, AW173635, AI423124, AI829576, AA725548, AW172746, AI140084, AA453099, AA236583, AI458404, AI400126, AI436783, AI936016, AW662463, AW196824, AW473640, AI694031, BF240101, AI131485, AA116134, W03419, AA976311, AI927986, AW190800, BE718224, AI985477, BF512775, AW080021, AI090025, AA101072, AA883532, AW467740, BF433366, AI446055, BE178179, AI888105, AI347915, W58544, AI458412, AA453538, AA164718, AW273999, AL515827, BF575440, AA642442, AI264004, AI310082, AW162771, AA448291, AI139289, AI823697, AW296515, BF223307, AA227816, AA448220, BF243182, AI041884, AV708050, AI422542, AI040174, AI079649, BF438880, AW419337, N52069, AI811217, BE220570, W58509, AI341524, AA234446, H92809, N72857, AW050477, N66494, AA860306, W68441, N57501, BE931918, AI264008, AV649699, AA234068, AI674801, AA614788, AI368226, AI282140, AW204791, AA227990, AV651160, AV649813, AI284230, BF762597, BF028962, H97585, AW085005, AW768944, AI636532, AV757359, W47140, AI375979, R68285, AI143372, AI143824, AI350596, N69397, R68327, AA806011, AI372502, H92810, T79164, N42644, AI693361, H84167, R17372, AA116135, W47189, R62737, AV656965, BF576243, AI014919, R62680, AI283686, AI971207, AA255770, Z45137, H29421, T33043, H29328, C01688, AI739397,</p>

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HLHSQ35	1267	570814	1 - 1338	15 - 1352	BF854241, AD000684, AC007201, Z84480, U78027, AL031774, AC009123, AL035422, AC002470, AC004685, AC005484, Z84466, AC005216, AL139339, AC005236, AC006160, AL445187, AL034405, AL035634, AC003036, AC018644, AL035086, AC002352, Z97054, Z95115, AC005011, AL391122, AC006254, AL033527, AC007282, AL121897, AC005328, Z93023, AL031293, AC004882, AC019059, AC019059, and AC074195.
HLHTB92	1268	815305	1 - 1644	15 - 1658	AW896306, AA359439, AC026066, AL355804, AL355804, AC012109, AC012109, and AC012109.
HLHTP55	1269	847322	1 - 760	15 - 774	AV752495, AI383131, R01164, R05770, AA878404, AC010271, AC002536, AL138919, AC004966, AC007066, AC008623, AL121652, AC016597, AC005081, AL034417, AB026898, AC083866, AC003070, AC005098, AC004089, AC010127, AC005015, AC005052, AC010458, AC008760, AC010463, AC027644, AL109758, AC005520, AL034372, AC018801, Z95979, AC083863, AC005102, AC020947, AC006581, Z98884, AC022515, AC005082, AC004166, AC009001, AC002425, AC003101, AC018731, AC011479, AL138756, AC005523, AL139100, AF038458, AC005071, AF196971, AC005041, AL139011, AL359981, and AL359981.
HLIBD74	1270	604914	1 - 397	15 - 411	AI344416, AI743858, BE255796, BE254801, BE253750, N51702, BG058677, AA864209, BG236386, AW051716, BE546487, AI074966, AI368820, AA609269, AI694629, AL521900, AW072157, AA913013, AA954773, AI269417, Z40442, AL524999, BF345596, BF149385, and AK024781.

HLIBE41	1271	772762	1 - 765	15 - 779	AV656250, AI927964, AV699163, AI742112, AI631900, AI041042, AW104486, AI308089, AV699162, AI767838, AI279221, AI017778, AW341426, AV715448, W73998, AA579048, AW150082, BF208191, AA342329, AA724863, AV649780, AA342328, AV662116, AW001075, AA983784, AA315404, AA847909, AA227330, AV699161, AA847910, and AK026469.
HLIBO16	1272	780805	1 - 624	15 - 638	R89092, AI478463, AW299988, AI762912, N70701, AI051566, AW270941, AV720023, AI984975, BF590409, BF197017, AI624626, AI796360, BE463937, T98676, AI274512, AW968356, AW968355, BE672759, AW972093, AW968729, AI791349, BE672774, AW971740, BE672719, BE672767, BE672748, AW972092, AW972090, AL042931, AL042729, AL042842, AL021939, Y17793, and AF019249.
HLJBI22	1273	658741	1 - 1041	15 - 1055	AW960484, AI073984, AW575710, AW293532, BE858717, AW274867, AI762044, BE857106, AI760532, BE500928, BG105935, AI378774, BF110315, BE501367, AW629261, AI627736, AI832041, AI380614, AW262135, AI128238, AA825610, AI378773, AI830152, N62269, AA130384, AI151264, AI307662, AW594369, T79162, AA514545, AA877734, AA404512, AA846009, AI340124, AI289124, AW196272, AA505178, AI651556, T79244, AI271663, AA776254, AA714762, AA678074, AI492304, AW405375, AW515838, BE218212, AA922364, AA934720, AI991664, BE328184, AI653088, H53164, AI873554, AA328385, AA232881, H53061, AI914455, AI657172, AA625510, AW964220, BE246696, BE246698, AI760848, AI572489, AI079493, AI805964, BF062449, AW406023, AW404880, BG259548, T24730, AW300730, AC025286, and AC068615.
HLJEE16	1274	847326	1 - 1147	15 - 1161	AW977747, AI126305, BF195835, AI338421, BG252095, AA679079, AA443175, AI913238, AI333023, AA972520, AA838427, AW605328, AW965312, BF222431, AI307325, AA463484, AI805628, AA828370, AW078809, R43305, AW006036, AA587907, AA922459, AI225223, AA707365, BF923727, AI928687, R82448, R82447, Z41035, H81876, AW630931, F04432, T96841, AI740575, AA937210, C01328, T96842, F03673, BF763516, AW081213, H81875, H81900, H81899, AI658899, AI863622, BF939300, AA332396, BF923780, BF763515, AA362022, AI205049, R47213, AY007164, AC004893, AB046845, AC004893, and AC061971.
HLLAX64	1275	827292	1 - 1667	15 - 1681	AA843153, AA628434, AI963242, BF110808, BF968957, AI337322, AW272807, AA203262, AW851197, AI424423, AW851201, BE042456, AA652192, AA682397, W56438, H97596, BE175406, AA307597, AI376895,

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HLLAX95	1276	588405	1 - 664	15 - 678	<p>AA715173, AW964008, AA715075, AA714110, AA666295, AI369580, AL137009, AL109804, AC027644, AC011465, AC011811, D00591, AC006452, AL118520, AC004883, AC005921, AC016831, AC005412, AC055740, AL390211, AC008569, AC008551, AF017104, AC003012, AL121890, AP000300, AC003007, AC005399, AC008623, Z98752, AC005377, AC005632, AP001717, AL122023, AL139353, AC008745, AC009001, AP000045, AP000113, AC011455, AL161937, AC006130, AC009194, AC018644, AC018764, AF001549, AL109976, AC005568, AC027319, AJ295844, AC005004, AC005480, AC004166, AL355178, AL022320, AC007216, AC020916, AJ009611, AL031680, AC003029, AL357153, AC004813, AL353706, AL034405, AE000658, AL133245, AC004000, AP001760, AC009086, AL136418, AC008688, AC003963, AL109797, AC007308, AL355520, AC018738, AC003108, AC007421, AL022718, AL133230, AC013429, AC007314, AC025436, Z97053, AL031726, AL034380, AC010102, AC010223, AL035685, AJ277546, AC006285, AC005391, AL109798, AL354720, AC007731, AC006211, AC006006, AC005500, AC004834, AC005049, AL117258, AP001746, AC009477, AC024082, AC002511, AL031281, AC005098,</p>

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HLLCD67	1277	822855	1 - 596	15 - 610	BF994712.
HLMBX89	1278	762967	1 - 1250	15 - 1264	BE250694, BF305911, BE250613, BF306417, BE250431, BF306331, BF445903, AC011239, AC060230, AC060230, AC011239, and AC011239.
HLMBZ14	1279	591271	1 - 928	15 - 942	AA779020, and AC016405.
HLMCT51	1280	772579	1 - 1508	15 - 1522	AI635589, BF928560, AI202885, AI214122, AW020415, T80943, AI333792, N54303, AU149421, AW965389, AA768716, T93873, AC027319, AC005756, AX017601, AC004965, and AK022729.
HLMCT95	1281	570815	1 - 1432	15 - 1446	AV757425, AW088846, AI334464, AI344812, AU147800, AW303196, AW301350, AI368745, AI357823, AI696962, AI919265, AL120959, BF915247, AI623720, AW963497, BF915722, AI587583, AI587565, AV762009, AI285521, AI284640, AV761362, BF792954, AA515909, AW088616, AV763122, AV761519, AL042420, BE072475, AV763583, AW021116, AV761810, BG249643, AV755677, AW302909, BF337291, AU147193, BE301175, BE150580, AW191886, AW975049, AV763701, AA651639, AW500029, BF740673, AL042753, BE065256, AW513015, AI246796, BF916934, AA532419, AW855730, BF760919, AA834707, AL035106, AP000115, AC008372, AL355358, Z98200, AC016144, AC020916, AL355352, X74558, AL033523, U78027, AC004690, AC008395, AL035422, AL023284, AC006483, AL352984, AL023494, AC008267, AL109743, AC084693, AC006077, AF196969, AC018720, AC006965, AP001216, AL133324, AL023880, AC005183, AL117334, AC023510, AC004813, AC011489, AL117336, X76070, AC004089, AP001342, AC006141, AC002350, AC002457, Z84488, AL353804, AL137145, AP001692, AC005932, AL109804, AC005015, AC002564, AC004876, AL138717, U95742, AL160031, AL024509, AC006958, AC027644, AC011470, AC007685, U02532, AC007383, X69951, AC002465, AC007688, AP001705, AC009060, D83989, AC008848, AC005821, AC005192, AJ295844, AP000090, AC011462, AC004030, AL034380, AL161731, AC007043, AC005081, AF241732, AL442166,

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HLMDD65	1282	566891	1 - 1179	15 - 1193	<p>AA740857, AI375649, AI923670, AI018493, AI419322, AI358951, AA890179, AI686544, AI949126, AI689293, AW276428, AW574807, BF593620, BF057399, AA457042, AW378570, BF740135, AA826781, AW273393, AI421949, AI610786, AW954203, AW305311, AI243289, AA143789, AU147786, AI093096, AI094995, AA928572, AU154441, AI439575, AA974953, AA593863, AA630151, AW241907, AU147378, AI991650, AU148064, AA262949, AI289031, AI187750, AU152719, AI275426, AI192762, AA835410, W63575, AA291508, AU147554, AA410900, AA975468, AI346888, AA858199, AW090334, AA765920,</p>

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HLMDH01	1283	721522	1 - 907	15 - 921	AL034423, AL161937, AL161937, AL034423, and AL034423.
HLMDU23	1284	668248	1 - 1045	15 - 1059	AI921649, AV709707, N31072, AI376100, AW664161, BE221335, AI453383, AW074059, AI956124, AI564284, N35000, BE206021, AA776936, AA776921, and AC004971.
HLMFB62	1285	604915	1 - 576	15 - 590	AA579407, BF870105, BF306313, AA628627, BE884790, AI468971, AW971975, AA814578, AW970962, AI869406, AI306028, AA568263, BF798161, AL120603, AW571493, AA121886, AA651974, AA282262, AW887618, AL031283, AC004752, AC073898, AL133480, AC005971, Z83836, AC008958, AC006316, AL355530, AL157718, AC008534, AC005251, Z99943, AC007051, AL031772, AC007773, AL139396, AL353194, AL031311, AP000502, Y10196, AL162414, AL122001, U91326, AL360227, AC004955, AC006006,

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HLMFG52	1286	602166	1 - 951	15 - 965	AA708151, AC006064, and AC007883.
HLMFU53	1287	801936	1 - 1161	15 - 1175	AL528672, AL528671, BE740519, BG179875, BE876837, BE409722, BF125146, BE384347, BE905434, AA480075, BE736786, BE386983, BE385086, AI708432, AA777273, BE909934, BF901579, AA455206, AA427548, AA362335, AA969968, AA421632, AW104489, BE275509, AI799353, AA454864, AI078240, AW955562, AI310388, AA427707, AI129255, AW089692, BE743523, AW170140, AA903911, AA362336, BF813903, R72751, R72760, AA483784, AA554328, R48745, AI197789, AA304308, AA320293, BF541788,

					AA491393, AW591924, AA360465, AW839762, BF818256, BE622335, AA143722, AW591933, BF927574, BE071386, BF754668, BE622797, BE071396, BE967257, BE243667, BE071302, D20583, BE729081, BE093883, AX041029, and AF188504.
HLMHG68	1288	580850	1 - 1326	15 - 1340	BF967276, BF967822, BE675848, AI693547, AA398062, AW117949, AW044341, AW468685, AI801370, AA890730, AA778640, AW001899, AA456064, BF508778, AI434131, BE833021, AI033982, AU145029, AI826270, BG026214, AA455567, AA652457, BF108431, AI458156, AA918511, AA515452, AA631567, AA687760, AA573416, F22701, BE045477, BE546175, AA292780, AA477424, AI699125, AW770290, AA310438, AA640186, AW884291, AA290862, BE774653, AI686681, AA479585, BE881951, AA394172, AI394051, BF361999, AA291044, AA150391, BF855032, AI816954, BF737256, AA291855, BF869437, AA291733, BG259202, AL044192, AA768725, AI701948, BF915315, AI926593, AW102900, AI345746, AI537516, AW079768, AI632981, AI608802, AI597805, AI636788, AA830821, AI050666, BF816031, AI923279, BF817746, AI951222, BF921215, BF913569, BF914101, BE393551, BE315058, AW083804, AW129269, AW265004, AI699154, AI702540, N74355, BE613727, BE965355, BF913615, AI718161, AI923272, AA527880, AI674912, AV721917, AV732941, BF814530, BF339333, AI300233, BF038804, AI285417, BF913568, BE245461, BF925370, AI812057, AI801032, BE963876, AI362332, AI589993, AA424741, AI824357, AI918554, BE962903, BF814429, AI677797, AW026633, AV736709, AW172723, AW151451, AI244380, AI624475, AW190482, AI689463, AI520785, BE172499, AW168700, BF816041, AI446124, BF915316, AI915295, AI354613, AI439097, BF750885, BE566196, BE966340, AI635528, AI636187, AL523055, AI749373, BE538466, BF904180, AV736039, AV736456, AI242411, AV741631, BE294431, AI300123, BE964269, BF764534, AI658566, AI872810, AI696626, AI680418, AI305157, AI609671, AI679916, AI950973, AI249946, BE091470, AI446110, AI365256, BE964497, AW085786, BF814449, AA713511, AW999906, AI680504, AA713851, AI886055, AI472536, AI041019, AW404239, AI452857, BF128459, AI364220, AI224373, AI476147, BE962570, AW073868, BE964767, BF815196, AI691149, AV682011, AW020455, BF133429, AI445663, AW090494, BE909521, AW167882, AW084772, BG120105, AI492356, BE962759, AI689614, BF988932, BF314442, BE963918, BE964962, BE971893, AI475433, AI689096,

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HLMHN06	1289	853606	1 - 642	15 - 656	<p>AA831132, AA602019, AC002553, AL139353, AC010582, AP001716, AC006077, AC083871, AL137119, AL163248, AL162430, AC006017, AL358214, AC006039, AL009181, AC004980, AC007282, AP000344, AL359382, AC016655, AC025472, AC025588, AC010419, AC016995, AC006057, AC005969, AP000426, AL138706, AC016395, AC005145, AC016623, AL035461, AL021331, AC007225, AL139331, AC008069, AL034402, AC008065, AL355392, AL138756, AC005844, AC005815, AL356010, AL121898, AL136419, Z98884, AL117354, AC008482, AC004673, AC022401, AL049781, AC009331, AL365444, AC003976, AC006965, AL133448, AL133370, AC004650, Z82194, AC006487, AP001752, AC004069, AL359763, AL160053, AC008173, AP001053, AL132777, AC017002, AP000088, AC010632, AC007683, AC073316, AC009275, AC009890, AC020977, AC006080,</p>

					AL035697, AC007271, AC005189, AC008842, AC010267, AL031845, Z82198, and AL136094.
HLMHS15	1290	638212	1 - 913	15 - 927	BE019217, AI884816, AA306203, AW958714, BE255875, BE263975, BE795502, BE795803, BE790537, BE250160, AW043740, BF966416, AW958709, N33030, BE746043, BE794650, AI040417, BF314278, AA160461, AI191487, BE257485, AC005726, AC005726, AC005726, AC005726, AP000878, and AP000878.
HLMIM84	1291	588487	1 - 1621	15 - 1635	AL048972, BF091946, AW081834, AA300783, BE295671, BF812601, BE777916, BG252786, AA588280, AA907518, AI936930, AI768357, AI188379, AI884989, AA775453, AW071755, AA369949, AA043144, AA382387, AW815437, AI193568, AI936998, AI458002, AA907195, BE784724, BE857204, C04735, AL533375, AA371027, BF360671, N77563, N36028, AI376901, BF238591, BF939969, BE383443, BE312821, AI942475, AC009238, AF151863, AR088271, AL049872, AF190865, AL356959, AC073323, AL121899, AC005519, AL136980, AC011479, AL139353, AL355835, AC007620, AC006487, AC013738, AC011465, AC005088, AL121894, AL392185, AL133258, AC024038, Z98036, AL035420, AC022493, AC007688, and AC009757.
HLMIN52	1292	590735	1 - 1232	15 - 1246	BE261837, AI870285, BF437544, AI740447, BE313954, AA628521, AI807623, AI869959, AL536389, AW006075, BE221133, BE221224, BE855831, AW592367, AI311383, AI266583, AW194323, AW974180, AI951168, BF000785, AA531611, BE466198, BF948898, AA573097, AA587614, AI924712, AI284261, AW169523, BG056895, BE552029, AI937762, AA961235, AW973083, BF509853, AI589865, AI343385, BG177232, AI199264, AI954243, AI686031, AI657066, AA588241, AA682958, AA576988, AA935554, AW839717, AW606575, BE074402, AW867504, BE965204, AW606572, AW606567, BF874349, AW606569, BF926000, BE703814, AW367074, BF930606, AA662528, AA737525, BF930728, AW384424, BF802846, AL136802, AL035659, AB028954, AJ223207, AL035659, and AL035659.
HLMIQ83	1293	688050	1 - 344	15 - 358	BE177661, H06215, AL136320, AL157704, AL157704, AL157704, AL136320, AL136320, and AL136320.
HLMIW76	1294	570816	1 - 765	15 - 779	AI284640, AL046409, BF677892, BG249643, AI334443, AV762098, AV762395, AF330238, AV760777, AI270117, AW303196, BF241967, AF074677, AL042853, AV762397, AW301350, BF697673, AW965008, AV760057, BE160727, AV728425, AI431303, AV764228, AV740801, AL138265, AW833862, AL138455, AV761489,

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HLMMA65	1295	780102	1 - 432	15 - 446	AL133404.
HLMMT12	1296	805448	1 - 431	15 - 445	
HLMNA19	1297	826530	1 - 992	15 - 1006	W22741, AC073237, and AC073237.
HLQAD72	1298	853613	1 - 1355	15 - 1369	BE877247, BF679711, BF509059, BF681408, BF680370, AI761728, BF105893, AI978618, BF966975, BF749398, AW954995, AW001434, BE910309, AW022739, BF126576, N58236, BF966094, AI129714, AW083446, N27268, AI719068, AI669262, AA872923, AA426582, AI638116, AW338069, AA418935, AA631725, N54486, AA577012, N31506, AI278492, AW371071, AA027189, AA866215, N92460, AI372946, AV694501, AA635528, AW380572, BE089933, AI168617, BE089931, AI286233, AA045077, R98321, AA999895, N53499, D62526, AI934356, H60357, R98322, H52604, AA492176, AA127016, AI916252, AI133618, BE938425, T81679, H52605, AI335730, N77615, T60163, BF106009, R12251, T96000,

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HLQAM30	1299	609880	1 - 662	15 - 676	AA634272, AW950117, AW949498, AW246061, BF314708, AA151690, BE264863, T57192, AA164699, AA165345, AI925152, BG056449, AA082854, AI949125, AA485930, AI571562, AA115165, AW152057, AA598425, AA993656, AI954861, AI087133, AW188466, AA533060, AI567712, AA633582, W49595, AA531323, AI289447, AA765170, AA053128, AI654247, AA569214, AI857789, N95820, BF675604, AL048269, AW304805, AW020992, AI920876, AA385064, BE875711, AW576404, AI358813, AI276576, AW802831, AI351698, AA304244, N64547, AW008493, BG177307, AA180264, AA370035, AW591359, AW079241, T69002, AA355326, N68024, AA782318, BE220933, AW148482, AA522942, BF095727, BF684828, AL042853, AW303196, AW301350, BF677892, AI284640, AA837084, AA757620, AA065127, AI570261, AI625244, AA521399, AW274349, BE160516, AL046409, AA065195, AA490183, BF340349, BF668217, AA745040, AI963720, AL038785, AA521323, AA877817, AA523815, AA629992, AV763971, AL041706, AU148742, AV710066, AI334443, AW500125, BE049095, AA491814, AV740801, AL119691, AI679782, AV760937, AI431303, AL138455, AW518220, AA908687, AI564185, AA493708, AI281881, AA525824, AA623002, AA768905, AW956640, AI610159, AA572713, AL037683, AV762139, AV763354, BF940837, BE160727, BG249643, AV764228, BG059568, AI434695, AV759505, AA581903, AU147104, AI742168, AA828704, AV762098, AA610491, AA491284, AW576391, AW193265, AV728309, BF725504, AW956641, AV735370, AV762111, AI350211, AI561060, AI368745, AV759204, AV761362, AW472872, AW504485, AW502975, AI696962, AI251436, AA468022, AV730310, AA481887, AI537506, AA846876, AA720702, AV763255, AI908093, AV761786.

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HLQBB23	1301	745364	1 - 2032	15 - 2046	BG029113, BF346616, BE729419, AV689334, AV690763, AW160939, BF591181, AA778871, W02197, AA416845, AW160768, AI083714, BF509513, AI924633, R92299, AI638632, W88904, N79158, T77414, AW961009, N77606, AW156899, H54595, AV686864, Z44394, AV688907, AL134383, AV727125, T80297, AW162083, AW161009, AW162271, H59186, H13048, AW161690, AW161692, AW162544, H01275, H77972, R39523, AW161011, T03656, AW008888, AI277689, AI090299, H83108, N62443, H04489, H68812, H14183, H29353, AI149349, AA699478, AI986026, BF886579, H73114, AI341351, AA416630, AI249130, W88612, F05062, N69105, AA693891, R76177, N74008, R92195, AA703371, R86138, BE858789, AV688285, AV697661, AV691461, R80679, Z46190, H54704, AV698734, R81656, T79273, R81456, H77973, H55749, R76529, AW025683, R28127, R01269, H68910, T79187, R78911, R59788, AW966722, H01183, R93777, H83109, R01383, R65944, R89857, H55840, T66957, R65840, H70290, W23291, R76120, H00255, C18581, R28015, H08809, R61329, H29269, H73519, R93724, F08857, Z40020, H13258, BF511898, R10648, N90628, F03501, N70120, AV694454, AA325691, R92969, H14187, H00254, AA773675, BE539438, N72443, R80678, AA001895, AA367544, BG008950, H52731, R10647, W04147, T66958, H60671, N55582, BF724894, AL513553, BE965732, AL513817, AL514791, AL514721, AL514409, AL513631, AL513977, AL514871, BF970652, AI560683, BF826445, AL513713, AI824648, AL513597, AW023338, AL514627, BE843239, AL513979, AL514455, AI810589, AI634731, AL134712, AI863382, AL514093, AL513863, BE963090, AL514087, BE966927, AL513951, AL515413, AI554821, AI624545, AI871923, AW044029, AL514623,

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HLQBF05	1302	604916	1 - 563	15 - 577	BE160659, BE160683, AL358573, AL358573, AL358573, AL139113, AL139113, and AL139113.
HLQBX64	1303	772803	1 - 2094	15 - 2108	AV649343, BF130482, BG179663, AV720745, AV719320, AV658379, AA191647, AV718561, AA219354, AI769578, BF126657, AI269889, BF574193, AV734860, AV720490, AU155184, AI302101, AV718656, AI950030, AI889538, AW419072, AA918982, AW088433, AI761095, AI309991, AI923375, AW006277, AA281666, AI924724, AA402240, AW273276, N53433, AI963654, AW015771, AI922198, AI458138, AA165601, BE439435, AI128266, AI277947, AA946849, AI343881, AA402701, AW474149, AI289226, BE672470, AI467936, H04844, AI288268, AW303836, AI823730, AA169335, AI949429, AA769673, AA165482, AV655147, AW167184, AI358150, AA863095, AI985661, AI277803, AA283660, AA171694, AI301236, AI690616, AI310961, BE513666, AI479558, AI538280, AW193233, N69299, AI301343, AV686668, AW440530, BE081066, AA661833, AV649185, AA172005, AW950671, AI886539, AI933892, AA953507, H04754, AV659340, T68167, AI194079, T69598, AA832118, AV648674, AV682550, BE065513, T71679, AI857292, T40113, T40914, BE934168, T51148, AW118431, AW089848, BE971266, AW839157, H42697, BE971367, T67818, T41019, AA283661, AI926046, T69670, R26189, AA344900, R46148, AA825794, AA344899, AI933890, AA171782, AW890922, AV709878,

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HLQCY09	1304	745384	1 - 1012	15 - 1026	BE969932, BE170240, BE170178, BE789920, AW572721, AW965008, AI732474, BF346919, AA745326, AA569734, T48856, AA084609, AV722143, AA731008, AC004826, AC002312, AL031727, AC010271, AC013434, AC005081, AL121658, AC020552, AC009756, AC005921, AL034420, AC009600, AL022320, AC083866, AC005899, AL050349, AP001725, AC011479, AL117382, Z82244, AL031681, AC006330, AC005755, AF196971, AC007842, AC005529, AC009311, AC010326, AC011475, AC007637, AC009228, AC005225, AC011491, AC005089, AL121928, AC002470, AP000692, U52111, AC008521, AL136172, AC004966, Z83840, AC000025, AL031985, AL356299, AC006211, AC004834, AL109921, AC006312, AC005015, AC002094, AC005527, AC002115, AL162430, AL160175, AC009086, AL022316, AC007376, AC008265, AC008264, AL121890, AJ246003, AC009516, AC007404, AF053356, Z93930, AC020916, AL353194, AF196969, AL049776, AP001710, AC005037, AL049747, AC068799, AC004089, AL031658, AC007881, AC005291, AC004962, AL009183, AC002565, AC007225, AC015651, AC011540, AC008569, AL049709, AC004990, AC006390, AL021546, AC007686, AC004491, AP000512, AL008725, AC004882, AC006084, AC007066, AL049843, AC036103, AC020908, AL158824, AC021016, AL139331, AL033526, AC004216, AL096840, AC020626, AC004770, AC012384, AL121897, AC005484, AF111167, AC020663, AB023048, AC004832, AC005328, AC005519, AF196972, AL133153, AC004383, AC020934, AC007276, AL139123, AL159168, AC008616, AC008760, AL137139, AC009314, AC007954, AC008551, AC008649, AC011444, AC002544, AP000511, AL049569, AC020629, AP001748, AC006111, AL138787, AL009181,

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HLQCZ43	1305	608174	1 - 1089	15 - 1103	BF724218, AW970163, AI431730, AW021108, BF678679, BF939528, AW600925, AA478897, BE465831, BF059231, AI333066, AA705567, AW051815, AI334218, BE502227, AA478778, AI368014, AA040593, AI632702, BF222432, AA411665, AI264090, AW015503, AA136531, AA947276, AI263540, AA136754, AI002071, AI090993, AI280794, AI078611, AI949819, AI863717, N68680, AA205416, T87804, H94997, AW020835, AI217325, N91696, AW170735, AI499485, AW338283, AA514298, N22613, H88771, AA040491, BF476788, AI890599, T87803, AW518706, AW881572, BF246812, AW589546, AC015948, and AC015948.
HLQCZ80	1306	787112	1 - 1407	15 - 1421	AV718890, AV718902, AV648620, AV719008, AV719390, AV720156, AV648959, AV658768, AV658711, AV658158, AV684891, AV648719, AV648723, AV653592, AV659843, AV657361, AV648829, AV653376, AA704885, AA007395, AA693785, AI022409, AV688504, AA702984, N53227, AV689661, AV660293, AV654418, AV645681, AV649655, N73530, AV656075, AV689653, AA007649, AV690219, AV651018, R83442, AV686274, AV693547, H63124, AV651438, AV692455, AA703573, AV659515, AA678129, AV651425, H95586, N73178, AV719042, AV653556, AV720886, N58528, AV649963, N52215, AW951417, T88682, AV649842, AV649876, BF954101, AA505770, H92995, AW984470, BF846885, BF805391, AV655604, C16735, AA608549, AV654794, AI905403, AP002026, X56419, M15943, AC019183, AP000946, AC023134, AC004220, AP001680, AC025439, AC016568, AL031585, AP001677, AC002302, AF238375, AP000957, AL031311, AL023582, AL355537, AL117378, AL135924, AL359994, AC008444, AC004677, Z97183, AC016903, AC005193, AC004833, AC010180, AP002026, AC019131, and AC019131.
HLQDK45	1307	621414	1 - 831	15 - 845	AA583029, AW973053, AI697179, AA635645, AA512962, BG057790, T12171, BF448823, BG163526, AI017041, AI347440, AI624726, U69181, AW468994, AW078977, AA865887, AI458831, BF939618, AI339365, AI139357, BE744630, H97036, AI758331, AI214269, AI624203, AI921608, AA868104,

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HLQDM47	1308	743237	1 - 1767	15 - 1781	BF949856, BF949042, BF949575, BF949859, BF949445, U50078, AC036149, AC073167, and AC073167.
HLQDU77	1309	607495	1 - 905	15 - 919	AU131273, AI991253, AI809198, AI332382, AA703052, N41059, AI129593, AI378419, AA627354, AA225156, W96051, AA225139, W96052, AI797763, AA225288, AA877406, AA765835, BE858304, W19640, AI014881, BE774723, AI565279, BE269106, AA621255, BE268159, AW804039, BE814996, AK023163, AC011320, AC011320, AC068617, and AC068617.
HLSAD72	1310	588406	1 - 481	15 - 495	AL038778, BE886728, AI801325, BF812961, AW169671, AI469532, AI433157, AI702073, AV722452, AI560099, AA579232, BE965621, BG259944, BG257535, AL513693, BE879906, AL043293, BG179993, AW806761, AW073865, AW026882, AL513991, AI696612, BF812938, AL039086, AA640779, BF344691, AW198090, AI677796, AI921248, AI783504, BF856052, BE047852, AV706744, AV702994, AI620284, AI583982, AA420722, BF970731, AI524654, AI815232, AL079963, BF725644, AL048871, AL045266, AI312428, BF816811, AI537677, AA427700, AI633009, BF527014, AI500523, AW302965, BG029399, AV712672, AI886753, AL119836, BF812960, AL121365, AI619502, AL040169, AI609375, BF856017, BG108324, AI590120, AW827289, AL514627, AI889376, AW163834, BG163618, BG031815, BF793644, AI475371, AL045500, AI564719, AI932953, AI699865, AA572758, AW129659, AL514473, BE890041, AW105383, AL036396, AL038605, AL048656, AW673679, BG180996, AI637584, AV757018, AI934035, AL120695, AI309401, AL514879, BE964614, BF032768, BG110517, BF884999, BF815855, AA613907, AI500706, AV720938, BF038131, AI114703, BE964876, BG178911, BE964636, AL036802, AV681987, AV682737, BG109270, BG035511, AI281762, AI625079, AI500662, AI536685, AL513907, BG114104, BF868489, AI538829, BG036846, BF904180, AL037454, AI569583, AW104724, AL119863, BF872670, BE620444, AI434223, AV753074,

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HLTCJ67	1311	567284	1 - 1469	15 - 1483	AA974620, AC026349, AC026349, AC024150, and AC024150.
HLTCM28	1312	612810	1 - 1318	15 - 1332	AA527161, AA527065, AA505489, BF875718, AW512550, and AA353061.
HLTCO22	1313	780428	1 - 1662	15 - 1676	BE739372, AW978552, AV714985, BF513610, BF215608, BF964875, BG153437, BG150468, BF590227, AI970101, AA045204, AW007701, AI268296, AI857636, AI799478, BF056355, AW020577, AA521166, AA831155, AW197617, AI015124, AI582621, BF693476, AA243281, AA058800, H45390, AI355156, AW664500, AA243280, AA948581, AW105025, H20999, AW305073, AI473827, AA825892, BE738825, C15291, AA476361, N46842, BF438967, AA303034, AA132743, D60796, AW959469, AA303035, H45391, AI699856, AA670255, AW580592, H20959, C15464, N47161, AI566600, and BE614265.
HLTDA14	1314	804545	1 - 933	15 - 947	AI568061, AA845918, BG113168, BF981109, BE540365, BG031068, and AL356096.
HLTDC26	1315	732137	1 - 1730	15 - 1744	BF793808, AW207838, AI769537, AW511478, AI192903, AW772443, AI480327, AI422073, AA251553, BG236305, BF214946, BF448110, AI458119, AI862755, AA401548, AI990239, AA401587, N30504, AI052436, N30464, AI003426, N30451, AV706955, AW337750, N21239, AA742950, AA400038, AI660115, N20830, N29521, N26120, AW271684, AA007697, AI769732, AW196360, AW449758, AA552743, AA702649, AA659397, R70724, BF919510, AW751370, AA365572, AA775132, R70725, AI282541, AA621696, AI769741, N38765,

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HLTDC26	1316	859069	1 - 1730	15 - 1744	BF793808, AW207838, AI769537, AW511478, AI192903, AW772443, AI480327, AI422073, AA251553, BG236305, BF214946, BF448110, AI458119, AI862755, AA401548, AI990239, AA401587, N30504, AI052436, N30464, AI003426, N30451, AV706955, N21239, AW337750, AA742950, AA400038, N20830, AI660115, N29521, N26120, AW271684, AI769732, AA007697, AW196360, AW449758, AA552743, AA702649, AA659397, R70724, BF919510, AW751370, AA365572, AA775132, R70725, AI282541, AA621696, AI769741, N38765, N57465, AA732488, AI693055, AA400074, N48396, N36754, AA251655, H89519, C01477, AW337875, AA170814, BF102729, BE940389, AV702815, AL161725, AK024436, AC025306, AC025306, AL161725, and AL161725.
HLTDI20	1317	610269	1 - 1968	15 - 1982	AU118373, AU117678, AI655728, BG109189, BG252288, BE785506, AW958196, AW370349, AW847761, AW191018, AW236807, AI954660, AW603675, BF109666, N62925, BG057249, BG231680, AI744489, AI743760, AA829899, AA694188, AU160565, AU144958, AI143187, W56495, AI990875, AI813664, AI954683, AI791260, AA845588, W03545, AA582935, N77052, AI337211, AA449646, AI469980, AW179064, AI709151, AI732941, AW183952, AI690530, AI963317, AA422107, AI480299, AA971443, AW082815, AU158868, BF868353, BF868369, N20415, AA743667, AV726085, BG231885, AA451736, AI139928, AW352158, BF086853, AW370329, AI910710, BF878988, AW369655, AA613089, AW388866, AI825751, AI816822, BF086850, AI351539, AW388874, AW389059, AI833319, AW352145, AW388950, AI524492, AW388922, AI399853, H17861, AA730400, AI025020, AI049584, AW388819, AW370346, AA233374, AW370336, AA449483, AI311468, AW370345, AW389038, AW388834, AW388934, AW388750, AW388852, R98015, AW388868, AI763080, AW388937, AW389091, AW352161, H09793, BE717825, AW388847, AW388901, AW388724, AW389153, AW388873, AW375735, AW388949, AW388867, R82958, AW388947, AW352148, AW389076, AW388746, AW388912, AW352139, AA233007, AW752220, AW389043, AW389080, AI028472, AW388818, W81553, BE074545, AW388856,

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HLTDI65	1318	740756	1 - 2675	15 - 2689	AV751280, AL040921, BF674256, AI634187, AI631119, AV722075, T74524, AA715814, AI457313, AW340905, AW963623, AW965008, AI962030, AV738383, AA115863, AW962444, AI653776, AL136981, AL049539, AL049832, AC020908, AC005722, AP001727, AL022165, AC000120, AP001718, AC005520, AP001728, AP000555, AC006251, AP001713, AL137119, AL136097, AC008066, AL034420, AL390039, AC020893, AL391122, AC005754, AC004687, AC005261, AC005071, AC005052, AC005666, AC003665, AC008083, AL163301, AJ011930, AC007683, AL353748, AC025436, AC004531, AL137818, AL034548, AL356414, AC004491, AC002300, AC004089, AC012076,

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HLTDK30	1319	834810	1 - 1559	15 - 1573	BG259399, BF307397, BE904641, BF308750, BF038514, BE298533, AI005028, W72694, BE551307, AI697515, BE218764, AU121500, AA622527, AA029760, AI701511, BE219529, AW339103, AA447650, BF353565, BF116187, W77809, AI769081, AI341093, AI360836, AU147300, AA136867, BF114827, W93881, AI283783, AI192892, AA030016, W02154, BE677375, AW206855, AV706621, BG056759, AA044298, AA136797, AI040302, AI086876, BE712689, AI376650, AW129652, R83741, R56757, W32488, BE712527, AI469894, AW015059, AI769127, T51127, H23334, AA448054, BE261534, BE712068, H23221, Z42428, AW592431, AA843467, BE711595, R36957, R53400, AI420084, AA044125, R83586, AI349597, AI349234, W94152, AI247576, AW073678, T46846, AA328802, R53994, AI383570, BE149945, R56909, BF820586, T17042, R39074, AW946174, BF379206, AW438998, Z38633, AW946214, AI659755, AW874504, AI863779, BF698572, BE693226, R11839, BE079713, BF892930, AL529727, BF889327, AW877263, AK022195, AL139339, AF131810, AR081887, I80055, AR081888,

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HLTDL37	1320	638213	1 - 1972	15 - 1986	AL526384, AU135771, AU117785, BF792609, BG024658, BE906604, AU138669, AI185631, BF217069, BF696454, AI741055, AL517220, AL538412, BE737556, AW964620, AW418824, BF541472, AW381850, AL526427, BF591341, AI655921, AA927574, BE169759, BE738547, AA307963, AW055108, AI821197, AL039572, BF894445, N91986, AW302176, BF754244, N25025, AI735148, AI362246, AI128451, BF667545, BG054887, BE169619, AA542864, AA496707, AI751679, AW905514, AI630366, AW960351, AA496763, AW043991, AU151513, AI061330, AA213413, AI634796, AI634088, AI754913, AI720484, BF209149, AA722160, AV757148, H17408, Z44289, BE867713, BE167618, BF826704, AA322217, BF111220, AW900173, AI953515, AI770061, AV724038, AI471233, Z44294, AI478972, AA375082, AW999068, AW590193, BF540945, H17407, BF570814, T34928, N49095, Z40253, AI940514, BF154458, AA009903, AA081610, AA665718, R73628, BF475899, BE090888, BE827279, AW237638, AW591086, H06195, AU128291, AI918826, AW662619, R34438, BE009670, AW516387, AI990786, AV757416, AI434432, T62184, T23585, AI268377, R48972, BE926029, AW196682, BF826616, N63841, AI858267, AW612540, BE349540, BF082694, AU154525, AA527205, BE185036, BE843212, AI867371, AI653437, F03432, C03561, BE827285, AA745246, BE939084, AU151759, BE169771, AW130460, AI434521, AI925399, AI753067, BF889335, BF752523, AA009489, W55980, AW579454, AI751678, BF229917, AI951954, AW104740, N56248, BE672890, BF223491, BF673858, AI811258, BE707411, BF757326, AI831160, N50213, AU144525, BF759135, AW166162, T19620, AI933708, AI128743, BE840810, AI001998, T61955, AA649594, AI017285, BE349920, BE176840, BF028496, Z20248, AW078872, AW407635, H98805, AU129381, AI472967, BG009812, BE220230, AW016157, AW794014, BF749506, BF740944, AK022895, AK001476, AK001519, AF151817, AF151832, and A74686.
HLTDU35	1321	827293	1 - 1979	15 - 1993	AW978322, AV699389, AV647597, AV714388, H93047, AV647591, AA648294, AA937186, AA807042, AW242064, AI590137, AA987285, AI298048, N57911, R59052, AV747052, BE968555, AI301228, AA663670, H00210, R64129, H16061, R56509, AU137618, AI289633, AV647284, AV647449, T23805, H09270, T15413, R96974, Z44595, F07523, AW149244,

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HLTDX04	1322	596818	1 - 1455	15 - 1469	AL120642, AA883846, AW241788, AI434878, AA873398, W67113, W67114, AA282871, AA973492, H18775, AA448803, BF904868, BE007039, W67358, H18800, AW087686, AW087697, W67359, AW087685, AI218889, D59409, AA468171, H46382, AA723693, BE545373, AA913719, AA883837, BF591997, AA808706, AI811981, AA883839, Z40459, AW008663, AA811854, AA465707, BE702518, AL513907, AL515041, AL513597, AL514627, AL514803, AL514919, BE966443, AA342574, AL513911, AL513553, AL514691, AL514799, AL515375, AL513803, AL135661, AL513693, AI439087, BE966775, AL513631, BE785905, BE964486, AI699857, BE964633, AI500553, BG179993, BE781369, AL514819, AL513763, AI597918, AV757797, BF343172, AL514935, BG168696, AI702406, AL513977, AL119049, AV755614, BE965190, BE048071, AL513943, BE964621, AL121270, BG256880, AL513643, AI625079, BF883916, AL514087, AI568870, AL046849, BF724691, AI349772, AI868831, AV755613, AI433976, BF795712, BG257535, BE964912, AL119791, BF344652, BE964812, AV682672, AV756770, BF971016, AW071349, AI349933, BE964700, AV757737, AI281779, AW162071, AV681618, AI609592, AL514929, BE047863, AI440426, BF724198, BE966388, AV682809, BG179250, BE963388, AW303152, AI679724, AI500077, BG260037, AL047042, BE964618, AV756703, AI567351, AV723953, BG058208, AV681857, BF793187, AI687728, AL040243, AV682772, AV682289, BF037097, AI538716, AL045500, AL513837, BE965865, BG151247, AL047763, AI815383, BG036846, BE963035, BE964682, AW827203, AV711924, BE964741, AI340582, AL513951, AI433157, AI690751, AL036802, BG252929, AW827211, AW074993, BF812933, BG031815, BE967261, BG105187, AI349645, BE967113, BE047859, AW268253, AI250293, BF970731, AV660662, AI312152, BE887488, AV681716, BE965556, AV756477, AW132121, BG250190, BG105099, AI349937, BE048081, AI857296, AL513753, AW089572, AI873731, BE876539, AI446606, AL513999, BF348329, AV727776, AW467961, AV682330, AW301409, AI436456, AV759831, AI282655, AI498579, BG259801, BF981774, BE966634, AL036146, BE965396, AW827249, AL514791, AW274192, AI673256, AI271786, AI608667,

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HLTEH84	1323	782094	1 - 1240	15 - 1254	BG251283, AA188763, AI560070, AA405280, AW081815, AI357919, H53569, BF055959, AA291644, AA331231, H53890, AW974932, BF681619, AA904211, AW237905, AI017251, AW504485, BF343455, AI061313, AA598947, AI923052, AW504224, AI696550, AU145055, AV740009, AI696793, AI345695, BG164166, BF030641, BG108021, AW270619, AW500029, BF854621, AA655005, AI279417, BF974756, AA653139, AW976024, AW162288, BE182986, AU152561, BF989483, AU152964, AW468372, BF814446, AW500684, AI923050, F13749, AI471691, AI733856, AI755214, AI292236, AV726253, BF760919, BF917346, AI917132, AW576251, AI754567, BE019467, AI708009, BE139358, AV762957, AI828405, AL046519, AI887235, BE207719, AW190505, AA613627, AI754105, AA455483, AI753365, BF526964, BE252421, AI049630, AA680243, AI754037, BE062478, BF212897, BF750422, AV762633, BE676915, AI573198, BE139267, AA402129, AI598003, AW021917, AA955031, AA527209, AA745524, AA862243, AI336054, AV762033, BF826830, AV762741, AW971963, AW505253, AI284595, AI244356, AL040054, AV762220, BF809041, AA484228, AA582554, BG056897, AI291823, AA502532, AV703259, BF984807, AI829331, AA557486, BF941382, AA608520, BF868994, AK026841, Z82182, AC006449, AC015853, AC005666, AC010203, AF053356, AL117348, AC011489, AL359292, AC009516, AC007030, AC005399, AP001705, AC007199, AL050335, AC006077, AF001549, AC007021, AL121886, AC003041, AL136304, AP000557, AC004815, AC007957, AL135927, AC007227, AC006442, AP000552, AC020750, AC008009, AC004253, AC002039, AC007277, AC011480, AL117382, AL136418, AL050318, AC005783, AC009263, AC006345, AC008102, AP000556, AC008456, AL121989, AC002316, AC016830, AC024563, AC016027, AC004971, AC008626, AL023577, AL024507, AL035404, AC005031, AC004999, AC005939, AC005726, AC018758, AC004707, AC016652,

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HLTEL39	1324	853615	1 - 1813	15 - 1827	AV720189, BE501654, AW022173, N24848, AI421808, AI421699, BG150321, AA906877, AA701448, AI085893, AI128103, AI554017, AL526596, AL526715, AW173524,

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HLTEN11	1325	772547	1 - 1500	15 - 1514	BF525500, AI633774, AW955756, BF244425, AW157246, AI678048, AA446080, AW026674, AA446063, BE348634, AW022113, BF194907, AI823765, AA429923, N63904, BF447080, AA873836, AI671589, BE218807, AW235569, W92743, AW954946, AI879670, BE466044, AW299942, AI806797, AI952880, AW953960, AW517669, AI690210, BG060145, AI703150, BE675398, AA429908, AW007776, AA504771, H10791, AW504049, AI582136, W95283, AW151802, AW293176, AW662105, AA451874, BE568542, AA731172, AW130235, W94778, BE218109, W92866, AA324347, AI040878, N66181, AW304884, AI708281, AA973340, AI694976, AI702795, H00128, R51082, N99173, N70684, AW341772, H84581, AI510743, H87043, D78680, AI708727, W02609, H21842, BF924724, AI458466, N48272, AI472716, AA292355, BG223556, AI970915, AW129078, H23222, AA805407, T34861, BE081897, AA151184, AA507887, AI478122, T07761, AA452071, AW444939, AI473278, AA223670, AA319458, AW374959, Z41254, AA151183, BF374100, T59750, AW869164, H84939, H87707, BF224036, D51237, AA359049, AW992484, BF434023, H87841, H86866, AA377374, AA367073, AA632016, R41175, AI379671, AI216239, BE183131, H21843, AA261867, AA491384, H05058, AA465715, AI940696, AW130227, H78926, BE781743, T19557, T19556, AW298778, F03292, H80135, AW374914, H10811, AI640407, T19566, T16631, BE840854, BF209763, T59630, W06871, AB028965, AJ224877, AJ012824, AF130248, AL163208, and AC018358.
HLTEW52	1326	663148	1 - 1521	15 - 1535	BF844827, AV683406, AV763460, AW410844, AA525818, AW575808, AW021674, AA595661, AA640305, AI732327, AA425283, AV758849, AA313025, AI732720, AV759517, BG180320, AI174703, AI444575, AA180056, AA493546, BE244308, BF812696, AA199578, AW265468, AI572680, AA507623, AA630476, AW963552, BF725436, BG059139, R61887, AV755245, AA280886, AW979173, AI114755, AI076729, AW504667, AA493245, AI254267,

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HLTEZ36	1327	821676	1 - 3037	15 - 3051	AA780067, AV652150, AV646143, W95040, AW967035, BF699201, AA700133, AI042497, AI935534, W95041, AI472096, AA703411, AA701233, AI886776, AV719150, AW382705, AI248591, AV646155, H63633, H59779, AU158230, BG149820, AA457270,

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HLTGG14	1328	824068	1 - 1276	15 - 1290	AV717702, AA425435, AV724854, BF529488, AA425616, AW149359, H24948, AA424386, AI400479, AA630555, AI553863, AA424335, AA743273, R83637, AA933880, BF346150, H24987, AW583454, AA988052, BF848546, AW954242, D61202, H44008, H11768, R83632, Z17883, AA296608, BF917726, BE884281, AI990056, D81485, AW843490, AW262783, AW795616, AI056259, BE939374, BF876324, AI907049, AA319995, N63363, AB033030, AK026689, AP001747, AP001628, AC004832, AC005182, AC058791, AC002365, AP000344, AL353193, U95739, AL137019, AF139813, AP000345, AC004019, AC005837, AX039602, Z82181, AC008635, AC007938, AC011540, AL096761, AC011491, AL031727,

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HLUAF94	1329	794116	1 - 1489	15 - 1503	AW275432, H73550, AI380617, AV762354, AI369580, AI733856, AI904840, BF854308, AV733907, BF857849, BF809041, AA381754, H86725, AW067788, AI791659, AW963444, BF832074, AI291439, AW778780, AI537995, AI536858, AI130709, AI280504, AI821420, AA773463, AA564582, T50676, AA714011, AW962006, AW272640, AW856329, AI754293, BF892087, AV707230, AI814682, AW130188, AV738383, AV764372, AI469599, AW272815, AA568399, AW149288, AV706945, AW148775, AI908093, AV710482, AI620808, AC007390, AC008635, AP000557, AC023490, AC005666, AP000556, AC007957, AC016025, AL035681, AL121933, AL022238, AC005225, AL354864, AC002477, Z98742, AL031660, AC005586, AC008056, AC006329, AL135749, AC005844, AC007546, AC018719, M37468, AL138756, AL121900, AC018639, AC004965, AL096701, AC018644, AC007881, AC004382, AC004659, AP000356, AC020908, AF038458, AL121928, Z94801, AC007637, AC027319, AC004865, AL008718, AC004845, AL353812, AC000353, AL353807, AC004400, AL133453, AC005324, Z84488, AC009032, AC005522, AL022726, AL161670, AC005531, AC005566, AC005183, AC005057, AF235097, AC007878, AC006256, AC005800, AL121652, AL022721, AC008482, AC005071, AC003108, AC009060, AC018662, AC004971, AC008616, Z98304, AC010219, AC073249, AC000159, AC005722, AC010422, AC010792, AC011449, AL138741, AC004846, AC003070, AL139384, AC007688, AL122021, AL162615, AL031230, AF001549, AC005596, AC068799, Z84486, AC016026, AL137060, AC007011, AC006483, AL109797, AC008745, AC006006, AL118505, AL138740, AC004973, AF168787, AF053356, AC004216,

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HLWAH33	1330	855954	1 - 2275	15 - 2289	AU140503, AU140499, AU140578, AU140658, AU140466, AU140564, AU140486, AU140530, AU140680, AU140554, AU140561, AU140369, AU140443, AU140139, AU140445, AU140374, AU134998, AU138398, AU140442, AU139502, AU140253, AU136651, BG012490, BG004502, BF114814, R77176, N76312, N30869, N30875, BF996764, BG000469, H04076, C17588, BE856561, BE856713, BF111336, BG004251, BG012768, BG009593, R89552, BG004250, N55190, BG009191, N77248, AI219395, AU140399, C18170, BF990898, AI200253, N54346, BF109725, BG009592, H12405, AI189527, BG010262, H72729, H91268, R69976, BF436164, R25124, AU158053, H70764, R89002, R27293, N56743, T53733, H90358, BG004245, BF989790, BF994166, BG009193, T89052, C17473, AI271459, H72728, BF990715,

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HLWAO11	1331	885339	1 - 2915	15 - 2929	AA402528, AA716107, AI123557, BG012978, BF996491, BG012967, AW983663, AI127175, BE810281, AA234106, AA234698, BG012979, N77999, AI039768, AI580137, AI379350, AA424560, AA419490, BG010666, R71349, AI224976, AI417798, AI080508, N58410, BG012946, N91089, AI818475, AA424657, BF986530, AA399612, AI144265, AA399137, AI498363, BG013866, AA410986, AA235306, AA399148, BG010096, BG012565, AI249102, AA115407, H81257, BG012976, AI334141, BE817685, AI077499, H00194, H45499, BG012578, BG013065, BF998792, BF997284, BG014612, BG009928, BG012573, AA234880, F05822, W86869, R82875, AW292497, H81245, R22096, AA298421, R01206, AI985171, T54283, R64037, AI492930, BG014506, AI492932, R82876, R81695, R33935, R25630, BF992066, R32025, T49264, AW104245, R95688, AW970150, R01319, BG006854, AW970146, BF993436, R33043, R22040, R71350, Z38741, AA852176, BF996770, BF085179, AA514393, BE817625, T34993, BG013537, BE930065, AA705441, D79105, R32078, BF843592, H81591, BF107166, BG012975, T49265, H81585, R34138, BE817684, BE817611, BF997299, R81696, AA115408, H45500, H81595, AA707178, H81250, BF369785, AI032721, BF996793, Z21579, BF996488, BF990036, T97662, BF995754, BF086199, H81576, BF085946, AX013771, AL079279, AF206329, and I76197.
HLWAW73	1332	664491	1 - 1189	15 - 1203	AL531941, AI027524, BG108207, BF970602,

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HLWAX50	1333	809094	1 - 3172	15 - 3186	AU137994, AU140186, AU140355, AU140166, AU136054, AU140446, AU140247, AU139173, AU137809, AU140094, AU140238, AU137767, AU135718, AU138290, AU138125, AU134680, AU139211, AU139150, AU138650, AU139616, AU135229, AU139551, AU134592, AU140954, AU136074, AU135801, AU140312, AU139012, AU140118, AU136194, AU138056, AU135235, AU135916, AU137243, AU137362, AU139359, AU138455, AU134926, AU134792, AL513764, AU138689, AU138921, AU138153, AU134962, AU135599, BG009781, AU137049, AU134844, AU139679, AU134660, AU137745, AU134899, AU139162, AU136809, AU137378, BF997087, AU138273, AU138168, AU135061, BG012953, BG000899, BF990819, BF985164, BG012961, BF369673, BF369717, BF994347, AU139741, AU137737, AU138326, AU140113, AU137544, BF086441, BF996861, BG003908, BF995025, BG011620, AU137010, BG010091, AI188697, BF993773, AI751064, R81528, AU135794, AU139972, C18984, D63207, BG015848, BG006853, BG009437, BG003739, N54404, AU138488, BF369441, BF993403, BF993397, BG013880, AL513717, R80509, BF992868, N30319, BE930140, BF988372, BE930729, AW956978, BF993399, BE930162, BG008307, BF993862, BF993457, BG012060, T48606, AU138522, BG008019, BG012055, AU140287, BG008308, BF988246, BF993404, T49943, BG008265, C18612, R81529, BG012562, H95375, N56659, BG007237, BG015094, AI189691, BF086328, BG008310, T54117, BG008338, BG013640, AU136109, H02192, BF992691, AI219064, R73963, BF990174, R76427, C18735, BF993046, R75985, R82521, AA330732, BF990578, AA368517, BF987229, AI220902, R67848, BF085415, AA368074, BF993395, R76816, BG008313, R80403, BG015362, BG008309, BG009957, BF990825, BG001437, BF989759, R73879, BF993405, BG001372, BF086414, H01076, BF989756,

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HLWBJ93	1334	840369	1 - 1594	15 - 1608	BF569282, AW575351, AW138913, BE263659, AW450375, AW771436, BE857181, AI524129, AI308859, AW466912, BF110656, BE466759, AI953235, AI198445, N49756, AW406015, AI439025, AW028653, AI914746, AI090769, H29645, AA421504, BF568248, AI991549, AA501937, AA421473, AI985868, AA326081, H19142, H29553, R18883, AA339125, AI915276, N52684, AA345131, AA876086, AI572262, H19141, D81810, AI364862, BE393892, BE783946, AL022312, AL022312, and AL022312.
HLWBK16	1335	638217	1 - 1204	15 - 1218	AA578368, AA492135, AI880112, BE707438, AA927112, AW970866, AA368674, AW237957, BE560582, BE560540, BE268041, BE513979, BE398109, AI525375, BE270770, AF191611, AF043045, and AF042166.
HLWCC11	1336	847401	1 - 354	15 - 368	AW450180, AI674683, AI074699, AI041225, AW190406, Z39641, AC010764, and AC010764.
HLYAH81	1337	559150	1 - 671	15 - 685	BF920557, BF918730, AI306324, AI348983, AW881209, AI494172, AI805363, AI223604, AI805547, AA724922, AV759293, N50204, BE147416, BF957224, N58713, AA084337, AA847499, AC000118, AC004965, Z99128, AC005747, AC005778, AL021307, AC006996, AL354835, Z85996, AL035405, AC006345, AC002072, AC023105, AC027319, AC004840, AC007565, AL161420, AC003035, AC005696, AC004383, AC006060, AC004228, AC007124, AC007539, AC006483, AL022320, AC007546, AL034555, AC020741, AC027119, AC008753, AL122001, AC007204, Z93017, AC002565, AC003982, AL161788, AC010271, AL136528, AL034553, AC006285, AL354720,

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HLIAH92	1338	607801	1 - 767	15 - 781	AP000478.
HLIAJ79	1339	608289	1 - 815	15 - 829	BE877313, BE877897, BE898244, BE876255, AV646609, BE875452, BE880171, BE874129, AV646653, AV713937, AV717895, BE873910, AV712023, AI207423, AV646639, AV646649, AV728530, AV710865, AV704989, AV706544, AL037048, BE877724, AV646504, BE876209, BE876129, BE879161, AV708364, AV725312, AV646554, AV707414, AV707576, AV704136, BE874183, AA669077, AV704821, BE881017, BE879486, BE877360, AL048429, AV727727, AV716924, AI065079, AI133420, AI133314, BE877089, AV728726, BE878189, AI064797, AV723801, AV704410, AA081407, AV646560, AV702289, AV646616, BE876145, AV704743, AV710411, BE879482, AI653760, BE876191, BE877490, BE878843, BE878144, BE879920, BE873856, BE892997, BE881087, BE892986, AV702097, AV709377, BE881605, AI884494, BE875679, AV705900, BE880965, BE881406, AI133218, BE880616, AV715527, BE880379, AV723748, BE877550, AI061660, BE875048, AV654563, AV701103, AV701289, BE876526, AV691015, AV704545, AV716245, AV693793, BE881677, BE876857, AV693806, AV723085, AV702987, AV725077, AV715880, BE877534, BE875611, BE875017, BE879660, BE898249, BE880104, BE881578, AA886596, AW188463, AV686634, AV716707, BE874992, BE877148, BE874412, AV721842, BE883115, BE868953, BE872765, BE869861, BE867046, BE868935, BE877853, AI557254, BE876076, BE874933, BE874887, AV757464, BE872576, BE867519, BE866703, BE874381, BE870019, AI888487, BE867152, BE878535, BE876950, BE871969, AI064695, BE877908, BE878111, BE873978, BE869555, BE867007, AL037870, AV686024, AI459473, BE868476, BE876777, BE876151, BE878325, BE879105, BE881405, BE874441, BE875672, BE876996, BE876184, BE881324, BE877404, BE872183, AV701547, AV761230, BE878096, BE876772, BE876933, BE880480, AA659265, AA487595, BE895696, BE876529, BE893859, BE867946, BE873745, BE878628, BE877533, BE876273, BE874818, BE878625, BE875010, BE877218, AV715658, AA594949, BE880906, BE892671, BE875274, BE898642, BE869867, BE876227, AI924211, AV719659, AV724031, BE874666, AV716234, BE878393, AW270021, BE867374, AI720552,

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HLIAL28	1340	567421	1 - 993	15 - 1007	AL031985, AL031985, AC025994, AC025994, and AC025994.
HLIAR30	1341	781249	1 - 840	15 - 854	AW138760, AI928443, AI264363, AA428526, BG236171, BF432779, AA581388, AA854958, AI366182, BF446513, AW170385, AI970247, AI354301, AI081061, AI140964, AW243493, AW104079, AI366181, AA732881, AI039682, AA425694, H11979, R46377, AI871576, AI082699, AI767870, AW207325, H72841, AI537179, BE796247, N35990, AW168999, AI678150, AW972093, AA405499, AI191091, Z39960, AA626013, AW139286, AI283218, F03140, AA890408, N95266, AI871195, AI349325, BE791253, AI914847, AW088879, AA192077, AW090285, AA788656, BE674514, AI634559, BE797083, AI269823, AA894693, AW151974, AW151132, BG167830, AI431238, BE883591, AI537677, AI494201, BF812963, AI804505, AI815239, AI500659, AI866465, AI815232, AI866691, AI801325, AI500523, BF812438, AI538850, BE885490, AI358271, AI582910, AI887775, AI582932, AI872423, AI590043, AI284517, AI923989, AI500706, AI445237, AI491776, AI289791, BF811804, AI926593, AW151138, AI521560, AI889189, AI500662, AI285417, AW172723, AI539800, AI284509, AI582912, AI538885, AI440263, AI889168, AI927233, AI866573, AI633493, AI434256, AI355008, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI859991, AI436429, AI889147, AI623736, AI355779, AI581033, AI371228, AI431307, AI491710, AI440252, AI440238, AL047422, AI567971, AI866786, AI610557, AI860003, AI431316, AI242736, AI539260, AI828574, AI887499, AI440260, AW151979, AI539781, AI702065, AI539707, AI885949, AI285419, AW089557, AI559957, AI521571, AI469775, AI282249,

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HLAT54	1342	581067	1 - 1260	15 - 1274	<p>BG171888, BE874805, AI524120, AI416974, AI805499, BG150310, AW451188, AA525134, BG222204, AA251528, BF438853, AW971332, AU150246, AI859868, AI969680, AW594064, AU154341,</p>

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HLYBC81	1343	588490	1 - 1806	15 - 1820	AI631981, BF197899, AA983199, AI869094, H72760, BF698704, AW051429, AA814653, BE047018, AI654440, AA806606, BF699964, AA847181, AI493726, AI420747, AI344822, AA724922, BF944600, AW750528, BF131481, AI823395, BF826444, AA827772, AV757180, AA731606, AA651893, AL042753, AA433996, AL159997, AL354696, AL157713, AL137787, AC006948, AC002542, AC002554, AL031599, AC018644, AC005393, AL139109, AL049697, AL159169, AL136362, AL033528, AF001905, AL136131, AC006251, AJ271735, AC004531, AC007023, AC008543, AC022215, AL391684, AL160231, AP000354, AC018639, AF265340, AL035422, AL035443, AP000346, AL132825, AC002476, AC006029, AC011742, AC007221, AC006536, Z84466, AL139350, AL035089, AC008079, Z99571, AC004081, AL049646, AC010382, AP000552, AC007458, AL137251, AB023058, AC008831, AC007880, AC009477, AP000521, AC009196, AF003529, AL121652, AC000085, AC012064, AL109921, AC020655, AC003071, AC005191, AC002416, AC066590, AL050343, AC005002, AC006017, AL136297, AL117382, AC009288, AL135978, AL022328, AC006050, AL122023, AC000073, AC004941, AC004470, AC005250, AL137016, AC008555, AL157791, AL138733, AL139395, AC004842, AC004900, AC005682, AL121823, Z78022, AL161666, AL133553, AC007249, Z94056, AL136991, AL138743, U52111, AC006328, AF216667, AC020629, AC007277, AP001760, AL109753, AP001671, AL163206, AC004225, AC011450, AC012614, AL080316, AC002429, Z99297, AL078600, Z96074, AL138815, AC012005, AC019227, AC006343, AC006139, AL022723, AL009028, AL096700, AP000365, AC007037, AL121958, AL024497, AL355481, AC008518, AL137017, AL031433, AC022335, AL161422, Z93928, AC009721, AC007064, AC004024, AC037423, AL354943, AL442166, AL391122, AC007364, AL121754, AC007349, AC010223, AC005993, AL031407, AL079304, AC083862, AL445677, AC004953, AP001713, AL136325, AL035552, AL163284, Z92844, AC009194, AL024507, AC018897,

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HLYBD09	1344	610019	1 - 1970	15 - 1984	AV708350, AW090566, BE048806, AW063928, AW063924, AI833130, AI984597, F35684, AA488419, N63735, BE908214, BE045105, Z30049, BE139139, AI250552, BE042006, AI284543, BE139133, AI915081, BF916055, AI302350, AA603567, AI254770, BE138387, AI251284, AI251034, AI251203, AI223626, AI249853, BE877807, AI356440, AI054090, BF854170, AA132513, AA664126, AW502078, AA582746, AU140403, AW297815, AV762408, AL042667, AL042670, AA807762, AI251241, AA015948, AC008745, AC005725, AC005280, AL135960, AJ131016, AL445687, AL355984, AC004650, AL133545, AB045360, AC007773, AC004038, AF196972, AF196779, AC026770, AC006001, AL133249, AC008760, AC006195, AL158836, AC008403, AC003686, AL031673, AC006115, AC004849, AL031681, AC002527, AC068799, AP002533, AL160007, AC007999, AL139109, AC007193, AL133334, AC004883, AC003029, AL157826, AL354680, AC009477, AC005913, AC018644, AL162571, AF205588, AC004019, AL034351, AC004551, AF196971, AC008273, AL031737, AC004813, AC083874, AC018448, AL357512, AP000345, AC004605, AF235098, AL132987, AC005747, AC036103, Z98946, AC011491, AC011287, AC023880, AL078463, AC005288, AP000346, AC009276, AC020550, AL138741, AL121868, AL034377, AL121949, AC019212, AC026239, AC007671, AC008750, AC074331, AL121933, AC005821, AL133284, AC004999, AC004820, AC008474, AC008854, AC007912, AJ009615, Z98051, AC010363, AC004223, AP001719, AC005157, AF224669, AL359382, AL034372,

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HLYBL67	1345	834538	1 - 775	15 - 789	M91493, AW975161, AW975952, AW979076, AW970969, AW970936, AW973825, AW979211, AW976024, AW973103, AW975941, AW970877, AW972651, AL119483, AW978198, AW975143, AW979090, AW974658, AW975626, AW973101, AL119444, AW973190, AW969772, AW973252, AW973808, AW974986, Z99396, AW971953, AW973278, AW972783, AW979173, AW971097, AA719433, AW970800, AW973116, AW979204, AL039085, AW973189, AW969694, AW975229, AW975287, AW973200, AL038837, AW972609, BF210608, AW979252, AW975564, AW973811, AW972786, AW971975, AL037051, AW979228, AL036725, H54252,

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HLYBM38	1346	608154	1 - 340	15 - 354	AW576148, AI418662, and AA946876.
HLYBN23	1347	667995	1 - 1473	15 - 1487	AW130485, AW468311, AV738722, AV740060, AW074398, AI570261, AA515751, AV735370, AW851028, AI267847, AI499503, BG222267, AW249224, W60516, BE139371, AV741940, AV758994, AW265197, AW086257, AV761608, AV759580, AI371593, AF074677, AV762707, T39598, AL039083, BG014866, AA599141, AI064864, AW088718, AV740801, AW419262, BF680483, AV761584, BF381840, AV761403, AI612152, AA714595, AV764285, AA584581, AI431303, AI499487, AW069427, AV762015, AL036706, AV763449, BG105817, T29360, AV761188, AV760106, AV759267, AI358229, H64777, AA340003, AA654627, AL138265, AA515435, BF954967, AW833862, BE301175, BF808370, AI349874, AI311505, BF908593, AV757306, BE152094, AV764035, AW836456, AV759329, AW957586, AI561335, AV760057, BF807784, BF887156, BE151726, BF942454, AW475047, AI205126, AV733296, AV761489, AW467679,

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HLYBN71	1348	604785	1 - 806	15 - 820	AC012083.
HLYBS25	1349	726713	1 - 737	15 - 751	AW081455, AA830533, AA809311, AW075842, AI263515, AA251925, AA806283, AA731194, AA909635, and AA729904.
HLYBT28	1350	608152	1 - 1070	15 - 1084	AC004777, AC005840, AC007216, AC020916, AL031602, AC007637, AP000134, AP000212, AL080243, AC007225, AC011895, AC010203, AP001711, AC011491, AC009032, AL031680, U95742, AC005839, AC005911, AC000025, AP000030, AL121586, U62317, and AC005523.
HLYBU15	1351	598901	1 - 1389	15 - 1403	AI732347, AI732495, AW270737, AI791287, AI791450, AA502987, AA523702, AW970580, N67598, AW893937, BF983585, AW893941, AI950751, AL137008,

					AK025142, and AL137008.
HLYBY04	1352	596819	1 - 1552	15 - 1566	AA828834, AW969667, AA228349, BE062476, BE062478, AA535216, AI755214, AW576251, AI754567, AW500684, AI754105, AI362442, AA809546, AA547979, AV763026, AV763058, AW962611, AI216990, BG000961, AW502873, AL046519, AW021917, AI278372, AW513870, AI281561, AI249688, AW504224, AW833047, AI884383, BF725884, AV762454, AW131356, AW819860, AI086646, AW078909, AI457152, AI038304, AW500250, AW819125, AI249365, AA309129, BE968744, AA579152, AI569100, AA829044, AA228338, AW341978, BG054730, AW192599, AV742072, AW103406, AW798093, AI077941, AC008551, AC008812, AC008372, AC002470, AC004685, AC009024, AL136137, Z95116, AC011742, AC015651, AC004971, Z99716, AP000347, AL035079, AJ277546, AC007371, AC011495, AC011455, AC002073, AL121890, AL158040, AC005080, AC005215, AC004975, AL158830, AL133353, AC000353, AC006994, AL109801, AC006449, AC002072, AF111169, AC003957, AP001670, AL096700, AC011811, AL035684, AL035587, AP000346, AC007686, AF165926, AC005254, AC006483, AF031078, AP001725, AC011444, AP001727, AF030876, AC007263, AL136172, AL358777, AL050321, AL031311, AL031848, AC005832, AC010618, AC008519, AC008733, AC005332, AP000692, Z97352, AL035458, AC007308, AC006468, AC004755, AC011475, AC005004, AL022316, AC006457, AC006014, AC007690, AC005412, AC007934, AL078461, AL035072, AC026431, AP000505, Z97054, AL133453, AC010643, AL020997, AC002553, AP000502, AC005037, AC006080, AC021016, AC004650, AC010267, AF134726, AL365505, AC002543, AP000501, AF053356, AC002544, AC002400, AC010328, AC008569, AP000552, AL353802, AL133153, AC004832, AC004966, AL354943, AC011497, AC008736, AC007597, AL035659, AC005924, AC011479, AC005527, AL035405, AP001716, U47924, AC011491, AC008521, AL354696, AC004750, AC005529, M13792, AL139342, AC012351, AL121891, AL031673, AC008543, AC007098, Z98742, AC004815, AC005568, AC004166, AL139396, AL049759, AC002302, AC007016, AL356575, AC005914, AL499628, AC004560, AL049830, AC004955, AL096791, Z93017, AC005411, U91326, AC005777, Z81313, AC006251, AL035423,

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HLYCE15	1353	621407	1 - 654	15 - 668	BF822118, BF823417, AV718260, AW965008, BE066968, AL048925, AL119984, AA581903, AV762154, AC021016, AC005730, AC009244, AL109804, AL356299, AC005060, AC004966, AC003681, AC011500, AC010422, AC021999, AC005523, AC020754, AL031577, AC008543, AC027319, AL450224, AP001748, AC007465, AL161670, AL450226, AC022150, AL137039, AF123462, AC004814, AC006285, AC007376, AC011742, AL354720, AC000004, AC009007, AC005280, AL049776, AL121852, AC007842, AL031668, AC002984, AP000305, AL163303, AX015915, Z82245, AC012067, AL035662, AC008753, AL163201, AC007102, AC010271, AC023344, AL354872, AC007919, Z69705, AC011442, AL021154, AL008582, AL009179, AL121655, AC005527, Z93930, AC002369, AC004840, AC004019, AC023490, AC007782, AL023575, AP000432, AC004972, AC019227, AC004754, AL365400, AC004166, AC007666, AL365509, AC004867, Z83822, AP001727, AC009483, L48473, AC019289, AC019289, AC019289, and AC026618.
HLYCH04	1354	608295	1 - 299	15 - 313	BF809786, AL117258, and AL049646.
HLYCY48	1355	607489	1 - 1068	15 - 1082	AC002410, and AC002410.

HLYDE38	1356	735987	1 - 1302	15 - 1316	AA568969, AL134524, AW968212, AW968347, AW970108, AW968338, AW968181, AW970540, AW979211, AW969988, AW975626, AV761613, AV761547, AV759340, AW970927, AV759919, AV759149, AV759675, AV711430, AV702659, AV764034, AV762633, AV764460, AW979204, AW979295, AW970942, AV706448, AV763457, AV702738, AV705299, AV764228, AV703460, AV759660, AW971299, AV762743, AV761524, AW972817, AV713194, AV756426, AV729657, AV703187, AV762228, AV759719, AV702857, AV735206, AW974932, AW970070, AW961606, AW970101, AV755245, AW970116, AW979097, AV764379, AW968147, AV759417, AW974075, AW974897, AW969625, AW971291, AW970987, AV761879, AW968148, AW969698, AV764047, AW969911, AW979243, AV648591, AW974806, AV755209, AV763558, AW968190, AV728609, AV713822, AW950748, AV725095, AW970551, AV760481, AW970936, AW970984, AV728841, AV763410, AV713976, AW969624, AV709273, AV756926, AV710232, AL038983, AV756508, AV734121, AW969633, AW970020, AV734690, AW972869, AV711465, AV702760, AV763275, AV702343, AW979037, AV761107, AV762103, AW979306, AW974086, AV755272, AV756702, AW969778, AV734859, AW972375, AV704541, AV761656, AW969650, AV733289, AW966064, AV712679, AW967329, AV762343, AV763419, AV764056, AW974665, AV759507, AW972154, AV760106, AW979212, AW973810, AV763230, AV762706, AV733627, AV762843, AW975043, AW970941, AV733029, AW969798, AW979093, AV762098, AV759153, AV734853, AW971160, AV762015, AV733830, AL038761, AV764263, AV764035, AV734524, AV760488, AV763290, AW972667, AW968200, AV763276, AV759954, AW970079, AW973254, AV710761, AV760721, AI142134, AV758067, AW964860, AW975596, AW974752, AV713243, AW968204, AL037727, AV759329, AW979253, AW979208, AV734272, AW968207, AV762223, AV758896, AW974935, AW974393, AV731793, AV760371, AV755881, AV759191, AW971968, AV763376, AW970069, AV760777, AL038838, AV713389, AV758496, AV761022,
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HLYDG55	1357	835625	1 - 708	15 - 722	AW975405, AA714999, AW974932, AA662590, AW979093, BE672637, AW975373, AA595499, AI612142, AI887235, AI583252, AW972919, AW969667, AI733856, AW500684, BF681619, AV760508, AI793172, BE139358, AI793209, AV734149, AI192631, AA536040, BF526964, T74524, AV741663, AI696962, AI754336, H07953, AI061313, AV711430, AA659832, AW973259, AW969941, AA572813, AA578690, AW964231, F08248, AV729809, BG222813, AW576326, AV760915, AA535216, AW973992, AA177011, AI251576, AA084609, AI583466, AA507822, AA714110, AI017251, AA632757, AI609972, AA662046, AA828047, AW968188, AC005236, AC006441, AL031005, AC010150, AC011442, AC020908, AC002301, AP000022, AC005519, X74558, AL121891, AC007383, AC009263, AC007136, AP001426, AC004104, AL354836, AL021155, U18388, AL031658, AP001725, AC008753, AP001728, AL034420, AL137073, AF156673, AL031279, AL049776, AF254822, AC006430, AP000065, AP001711, AP001731, AP001717, AL160175, AC011500, AP001670, AL031295, AC002045, AL031775, AC008482, AC002350, AC005288, AC004973, AC008379, AL022336, AC006130, AL354872, AL356299, AC004840, AC008403, AP000300, AL096870, AC007282, AC008072, AJ009611, AC005520, U96629, AC007376, AC020904, AC005920,

					AC009079, AL354864, AP000113, AP000045, AC004076, AC005071, AC010271, AC005696, AC005052, AC011497, AC002400, AC009116, AC006023, AC004090, AC004256, AC018751, AC006080, AC005488, AP000555, AL008627, AL035495, AC005531, AC006275, AL117377, AC011469, AC006966, U80017, AC005907, AC005837, AL031846, AL033529, AC005527, AL121652, AF017104, Z93241, AL078463, AL137802, AC003110, AP000513, AP000553, AC000025, AC005031, AL008635, AC005829, Z69706, D86995, AL121658, AL035249, AL049694, AL031311, AC002470, Z93930, AL096701, AC010126, AC011551, AL354816, AC005089, AC020934, AF196779, AL365505, AC005544, AC008265, AC004634, AC006345, AC005971, AF285442, AC006455, AC006329, AC007314, AL133246, AC011495, AC007220, AL139286, AL109921, AC074338, Z82190, AL139188, AL034553, AC005244, AC009756, AC011894, AL033378, AL035587, AC005566, AC002369, AL049872, AC005529, AC020663, AC005015, AL121826, AL022302, AP001760, AC007637, AC008395, AL096840, AC016831, AL035405, AB023052, AF243527, AP000211, AP000133, AL030996, AC011508, AC009477, AL049589, AC018633, AL352979, AL021707, AL031291, AF255613, AC004131, AL022163, AC006538, AC067968, AL139102, AC011475, AL049646, AC004234, AC010422, AC003689, AC005231, AC009086, AL109797, AL021878, AL136137, AC002430, AC024092, AL117258, AL133448, AC008413, U82083, AC011811, AC008101, AC004125, AC011484, AL117338, AC010458, AL138787, U73023, AL118505, AL135744, AC008764, AP001745, AC005800, AC008267, AC004841, Z97054, AL049761, AC004905, AL135927, AC069291, AC069291, AC005236, and AC005236.
HLYDO73	1358	584787	1 - 844	15 - 858	
HLYEA60	1359	685469	1 - 1192	15 - 1206	BE536261, AA747309, AW958312, AW793419, AW793459, AW793442, W45629, AI760637, W45385, H99024, BF378314, AW590022, BE173254, AI859763, AI093439, AA863257, AW793464, AI571233, AI285894, AW007223, C18227, AI218203, BE046090, BF593295, AA311250, W73986, C17829, N20899, W79227, T84035, C16657, AI191925, T19326, W93279, BE501924, AA748080, AI217630, AA232730, T91442, AA287956, AA526798, AW889460, AW008649, AI537583, C16619, C18858, AA913586, BE895524, C17101, D79021, C16702, W93280, AA705298, N30945,

					BE327426, T91355, W19818, AA769209, T99731, AI858447, C17193, AW408205, AA810413, T86069, N90018, T99730, D20339, AA236523, BE550001, AA614314, AA027141, AA026307, AC008569, AL163249, AP001694, AC005052, AP000512, AL158828, AC004967, and AP000248.
HLYEJ14	1360	853362	1 - 2088	15 - 2102	AW317024, AW574558, AA746352, BE049401, AW504231, AI983895, BF902187, AI439194, AW976960, AA769424, AI439972, AA862340, AI439981, AW452610, BF926363, BE387208, AI985335, AA715743, AW327790, AW451699, AV741156, AW401700, AA873734, D89974, AJ132100, AL032821, AJ132099, U39664, AL032821, and AL032821.
HLYEJ44	1361	838149	1 - 1275	15 - 1289	BE867020, AI478611, AW135035, AI493335, AI796551, AI205153, AI763397, AW452868, AW024931, AI770003, AI860167, AW300835, AW236836, AI039293, AA312699, AI033837, BF196530, AI587364, BE047902, AI700805, AI364782, AI631435, AW516669, AA461101, AA741034, AA310989, AI671731, AA449433, BE464413, AI373338, AI247252, AI621029, AI989810, AA448924, BF092110, AL134524, AW858522, AW861944, AW858525, AL038878, AW601637, AL134110, AW577201, AL045327, AW972845, AW970050, AW577199, AW979127, AW969911, AW968212, AW969791, AW979047, AW975037, AW969696, AW969988, AW975002, AW972292, AW976024, AW975965, AW971290, AW970070, AW975032, AW858455, AW970977, AW972649, AW971737, AW979098, AW973717, AW970619, AL045328, AW971403, AW974393, AW975031, U46344, AW974658, AW979134, AW969643, AW972897, AW974791, AW858490, AW970612, AW979002, AW968347, AW969793, AW974096, AW971725, AW971301, AW975984, AW968204, AW972273, AW971168, AW969778, AW971149, AI142134, AW975391, AW973652, AW971114, AW971126, AW973214, AW972642, AW971738, AW969748, AW975954, AW975104, AW968336, AW975152, AW971982, AW969784, AW971108, AW972293, AW969785, AW973774, AW970886, AW970079, AW975019, AW971968, AW974346, AW974390, AW972717, AW974801, AW974098, AW972686, AW974800, AW975876, AW979204, AW969921, AW975048, AW979070, AW979105, AW971038, AW975628, AW970973, AW975632, AW971299, AW972849, AW974786, AW970094, AW972279, AW979238,

					<p>AW975920, AW972810, AW969733, AW970025, AW974933, AW971187, AW970034, AW979253, AW968164, AW972662, AW971060, AW976498, AW970101, AW975154, AW975140, AW975971, AW974387, AW972377, AW969847, AW976023, AW968207, AW970916, AW969781, AW970953, AW979218, AW973397, AW972357, AW972153, AW975017, AW979090, AW969673, AW975169, AW970558, AW974127, AW974128, AW972927, AW972314, AW971342, AW973387, AW969992, AW979212, AW969852, AW975952, AW979176, AW975027, AW970856, AW970580, AW972881, AW969885, AW975434, AW970950, AW974795, AW969716, AW972880, AW971198, AW969633, AW971326, AW969680, AW979138, AW974975, AW971427, AW970576, AW973219, AW972354, AW971363, AW972867, AW971116, AW971300, AW975020, AW972655, AW979136, AW973230, AW969655, AW969928, AW971244, AW972909, AW974785, AW975007, AW974926, AW973377, AW979205, AW974083, AW970927, AW969787, AW971085, AW974341, AW969974, AW975142, AW971072, AW970540, AW971133, AW975105, AW972667, AW975981, AW974810, AW972684, AW972829, AW975410, AW979080, AW972936, AW972665, AW972661, AW971156, AW970019, AW972872, AW975380, AK000413, AL121845, AF115339, AR066494, A93931, A93923, A93916, D17247, AJ276251, AJ276253, AJ276255, AJ276256, and AR096545.</p>
HLYEU51	1362	607815	1 - 854	15 - 868	<p>AW969743, AA508036, AV762633, T74524, AV738383, AI984168, AW970571, AA483606, AW189113, AA570740, AW865946, AA243976, AI620808, AI499954, AA084609, AA984920, AW338035, AW338021, AA568204, AV732578, AA487226, AA525293, AL353748, AC004166, Z85986, AL354829, AC002470, AL132639, Z97053, AC010527, AF196779, AL133283, AC003982, AL121758, Z95152, AP001725, AC068799, AL096870, AC011465, AC005399, AP001748, AC005736, AP001631, AC004971, AC011510, Z99716, AL096701, AC005088, AF024533, AJ003147, AL021154, AL109758, AP000510, AL133448, AL117694, AC009362, AF045555, AC005899, AC011895, AL035587, AC010463, AL033521, AC008521, U91326, Z83844, AL035419, AL139352, AC074338, AC002310, AC002316, AC005052, AC005911, AL109801, AC008969,</p>

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HLYGV19	1363	826334	1 - 2915	15 - 2929	BG110964, BF795642, BF338736, BF344299, BF339610, BF344724, BE905985, BG171717, BF663359, BE878057, BF344117, BF797494, BG110428, BE779728, BE548198, BG113392, BE514891, BG105728, BF342409, BF344895, BE731592, BF344700, BF326253, BG107408, BF337274, BE873119, AA029404, BF339289, BE537561, BE546615, BF215522, BF348090, BF341943, BG106809, BF974666,

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HMABK52	1364	853363	1 - 1127	15 - 1141	BG236112, AA077863, AI698837, AI222389, AW629123, AU146072, AI051228, AI214201, R93426, R93413, AA737281, AA348791, AI719587, AA737012, AL354864, AC006026, AC024086, AC009358, AF118076, AC009313, AK021913, AC004491, AC005159, M98512, AC004167, AF001549, AL031432, AC008569, Z82242, and AL035685.
HMACF34	1365	853364	1 - 1271	15 - 1285	AI891064, AV714449, AV712559, BE674242, AW236328, AI471727, AW468584, AW514930, AI921478, AW339517, AW028025, AW339648, AW630256, AW473331, AW337867, BG150095, AW170756, AV711671, AW468076, AI678984, AA742417, AI587123, AA789153, AW075931, AI285693, AW075991, AI476289, AA505451, AW468276, AA579913, AA872393, N22030, AI640380, AI337611, AW339605, AW578597, AI278579, AI268795, AW467495, AW440842, AA554703, BF356296, AI803881, AI925062, AI000587, AW467476, AW028424, BF897815, AI926675, AW341744, AI587383, AI499956, AI270555, AI707579, AI247317, AI472750, W04167, AW082436, AI866984, AW236183, AW195312, AI354246, BF897823, AW578573, AA705051, BE870187, BE305000, BE720836, N63943, BE617809, AI215918, AW195136, AA703103, BE934684, BE934674, AW339609, AI968541, AI917962, BE934644, BE934614, AW075709, BE934661, AI536737, AI434277, N22036, AW379062, BF831846, AI274699, AW087343, BE720840, BE720835, BE934676, BF903996, BE934715, AW236341, AW190716, BE327733, AA910528, BF357376, BF357342, AI523270, AA494473, AW468368, AW059561, AW057934, BF089709, AA879139, BE934606, AI249491, AW467816, AW380658, BE042475, D20133, BE934609, BE934608, BE934635, BG151221, AW337879, AA937232, AI926256, BF089507, AV712205, BE327649, AV711904, AW076032, BE150973, BF357380, AW440838, AA347359, BE934672, BF833053, BF832548, BG055537, BF902176, AW409161, BE934611, W03915, BG149243, BF089703, AW467784, AI926257, BE962215, BF089478, R97933, BE934604, R92746, AW869066, AI567061, BF900579, AW148316, AW090246, BE934653, BE549820, AW029592, AI824773, AW195281, AI567062, BE720834, BE934668, AW869111, N98412, BF357426, AV715354, AW468022, AW075813, BE934610,

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HMACL77	1366	853365	1 - 1782	15 - 1796	<p>AL535251, BE866849, AL535250, BG025931, AI816243, AI744420, BG167181, AI114762, AL523363, BE620336, AA446532, BG108972, AI742048, AA651718, AW964252, BF969758, AW237422, BE874836, AI755225, BE536811, BF439367,</p>

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HMACT74	1367	843744	1 - 756	15 - 770	AI571519, AI434247, AA223663, AV733131, BF238090, BF976312, AW406531, AI755155, AI922162, AI554482, AW613097, AW574604, AI565132, AW016103, AI278033, BE264874, AI188638, AI682711, AA995528, N99151, AA903690, AA527870, AI079183, AI200240, AI188845, AI886732, AI220751, AI150068, AI082047, AW615477, AA714344, AA781519, AW188063, AA777477, AW264880, AI167900, AA826501, AW105541, AI298931, AI924336, AW104640, AA741557, AI340162, AA470693, AI304514, AI917561, AA662159, AA482541, AI189607, AI337564, AW974773, AA543075, AI445044, AI360250, AI814445, AI304326, AI871185, AI285332, AW009803, AI689390, AW264443, AW665755, AW247803, N93055, AI188496, AA160539, AA456591, AW050849, AA974351,

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HMADJ14	1368	843725	1 - 1430	15 - 1444	AI268407, BE162690, AI831182, AW450309, AW295136, AA380009, and AF305068.
HMADJ74	1369	795479	1 - 1878	15 - 1892	BE162690, AI268407, AI831182, AW450309, AW295136, AA380009, and AF305068.
HMAEA58	1370	872563	1 - 2495	15 - 2509	AL521279, AL521278, AV716282, BG171513, AV757197, AV756783, BE896824, BE891445, BG110748, BF216828, AL037737, AV661144, BF439692, BF977303, BF130000, AW961787, BF210605, AW993982, AW021410, BF105931, BF589764, AW402551, AW963313, BE542958, AW500088, AW167823, AW294175, BF217786, AI093866, AA574176,

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HMAGF01	1371	837235	1 - 2087	15 - 2101	AL522121, AU133112, BG177563,

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HMAJS26	1372	831093	1 - 1308	15 - 1322	AL534848, BE729938, AU126433, BG035271, BG180060, BE277787, BF337499, AW291028, AA423875, AA423837, AW087182, AA209244, AI802203, BE886087, AI149868, AI218592, H15124, AA807339, AU158273, AI570646, T90789, AI739439, AA994646, AW840714, AU149990, AA845650, AI671879, AI699947, AA758717, BE885913, AW374652, AW235833, AV753372, AA504557, BF340330, BE774284, BF772270, BF509743, AA628899, BE005336, BF850364, BE819067, AK001309, AC004812, AC004812, AC004812, and AC004812.
HMCED78	1373	829071	1 - 1097	15 - 1111	BF206962, BF305074, BF305149, BF439108, AI268268, BE395507, BE385088, AI819416, BF055525, AA947965, BE467664, BE857149, AI688717, AW027310, BF589303, AI336199, BG179674, AW967435, AI672288, BG150003, AI828977, AI421864, BE541981, AA402255, AA456227, AI183357, AI279126, N30912, AI570596, BF002580, AI817223, AI871749, AA534311, AI161234, AI347720, AI672691, AI814234, AI693829, AI459084, BE296960, AA411630, AA236940, AA237089, AI217696, AI758234, AI928989, AA454620, AW268877, AW051826, AA830345, AI168163, W15416, AW014577, AA886902, AA570688, AA906799, AI332391, AW470301, AA436137, AA402751, AI311662, AI276098, AI275571, AI800622, AI082789, AW025981, BF439499, AI094730, AA969974, AA828389, AI991821, BF149343, AA830779, AI206074, AI929238, AI091493, AI268847, AA436029, AI094024, AI693502, AI042392, AI242442, BE152615, AA443110, AI493464, AI000713, AI079484, AA456175, AI924771, AA189004, AV653110, AW575883, W02975, AW013901, AI209029, T54423, AI800570, AA714094, AI167951, AA975695, AA962315, AI269894, AA649829, AW404973, AI095104, N72262, BF740208,

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HMCFN86	1374	886182	1 - 1500	15 - 1514	AL518168, BE889902, AV725234, AV707132, AV705730, AV703442, AV703864, BF307323, AV702035, BF342790, AV755361, AV701200, AV716235, AV653887, AV707916, AI061586, AV705444, AV707474, AV716871, AV713905, AV704583, AV704554, BE870844, AV728599, AV691633, AV703439, BE440168, AV757021, AV710273, AV704942, AV706918, AV701762, AV705553, AV729391, AV703133, AV722560, AV706251, AV706984, AV704634, AI110678, AV693397, AV725657, AV722875, AV705594, BE439879, AV715731, AV691628, AV697029, AL513649, BF568985, AV703872, AV703200, AV726910, AV646046, AV708253, AV722970, AV702679, AV723005, AV704910, AV649260, AV728892, AV709387, BE896539, AV690476, AV704487, AV689963, AV698374, AV709311, AV714358, AV715349, AV756718, AV729915, AV726936, AV701566, AV756640, AV711457, AV710693, AV705849, AV698289, AV702375, AI061658, AV724863, AV726724, AV724879, BE897050, AI133246, AV727198, AV715365, AV751353, AV721605, AV704443, AV700172, AV756333, AU123989, AV761023, BG254216, AV701857, AV716906, AV755862, AV710741, BE872110, AU124316, AV727096, AV703104, AV684242, AV700748, AV699497, BE439407, AV704842, AV757921, AV696266, AV725922, AV755351, AV705804, AV654712, AV734791, AV717675, AV718325, AV729894, AV757364, AV700280, BE880009, AV722085, AV694927, AV711078, AV700402, AV727783, AV753034, AV701863, AV716016, AV658754, AV692917, AV715473, BE870666, BE898942, AI499067, AV714577, BE439567, AV725134, AV705802, AV725505, BE885264, AV755833, AV705781, AV763789, BE899508, AV704601, AV699924, BE880299, BE874075, BE895037, AW961059, AV688733, AV701539,

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HMCGJ47	1375	699850	1 - 2785	15 - 2799	AL529514, AU117125, AU141494, AU138413, AI065140, AU138493, AU138619, AU137502, AW749876, BE866979, AI065091, AU128037, AW749892, BF971017, N99167, BF212188, BF094612, AU128304, AW074186, AW073330, AI434820, AW966409, AW272690, BF888339, AU127159, BE315355, AU129573, BF110128, BF888340, BE293259, AW119058, AI521964, AA488588, BF970200, BF207886, AL046614, AI261605, AA424119, BE467152, N49937, BF028955, BF542138, AI392655, W96011, AI760337, BF031220, AW673758, AI263876, BF208239, AV748098, AW439919, BE327089, AW062523, AW630791, BF752780, BF573491, AA488447, AA424091, AA902722, AW027868, AW995950, AU128705, AW960550, AA035416, BE877698, W94865, AA973574, AI089675, AW514578, AI269059, AV652740, BE327860, AI242304, AV652727, AU129125, AW197336, BF218980, N52717, AA206043, AW513973, AI239744, AW383413, AI263472, AI269066, R15433, BF094871, AV660720, AW614200, AA173903, AI288434, AA424033, AA424050, T17474,

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HMCCK88	1376	654854	1 - 976	15 - 990	AV723597, AI479056, AI797884, AI861919, AI391628, BF664305, BF975449, AW958297, AA641802, AA700802, AI968087, AI246328, BG057390, AV695135, AI217528, AI955611, BG057389, AV695134, BE466504, AW575381, AV695479, AV696583, AW241513, BF906766, AW467369, AV693246, AV691048, BF975806, BF223278, AA236998, AA026162, AW449436, AI818572, BE466295, AI738417, W72588, BG056151, H77873, AW593724, AI739382, AW978131, W76151, AI267866, AA381548, AA353338, AA731494, AW511389, AI825699, AI760686, BG055680, BE207734, H77827, AA804626, AW444846, AA368952, AA302212, AI222649, AW294100, T97890, AA353813, AI347378, AA236622, AW815580, AI621355, AW512329, AI587076, AA311055, AA973718, AA977169,

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HMCIH27	1377	862038	1 - 1302	15 - 1316	BF725884, BF769368, AL079734, AA582073, AA054085, AA013168, AA019973, AW963463, AW474168, AW168420, AW995665, AW069769, AW897936, AI754653, AI732151, F23258, AW302659, AW302705, AA018207, BE138594, BF772474, BE139139, AV763026, AV763058, BE179205, AW970571, AW500684, AV702109, AW303098, AI251034, AW028429, AI056177, BF923179, AA515728, BG259319, AI174930, BF928469, AL119691, BF725844, AI251284, AI251203, AW591276, BE150796, BF926568, R81017, AW504224, AW169038, BE062478, AA515133, AI687343, AI284543, AW022834, AI798449, AW270771, AA372312, AU122466, AV763354, R94326, N54397, AL038705, BG223245, BE746531, AW576326, AA410788, BE744116, AI270117, BF681607, AA935409, AC020906, AL035079, AC002420, AP001670, AL096775, AC006160, AC005220, AP000240, Z97206, AC002070, AP000952, AP001705, AC078854, U91322, AC003690, AC004217, AL008627, AL139095, AL137787, AL137145, AC007539, AL356652, AC004822, AL157938, AC007011, AC008083, AF172277, AL133377, AL133372, AC006992, AC000085, AL136116, AC009311, AP000096, AC027341, AF109076, AL136969, AC007022, AP001712, AL356057, AC004066, AL033397, AC008685, AL009031, AF241726, AC020603, AL137786, AC008009, AC007948, AL035402, AL035464, AL031121, AC010223, AL161940, AL135798, AL049550, AP001752, AL049597, AC002072, AL022150, AF243527, AC005993, AL121578, AL122006, Z82215, AL034351, AC087087, AC009396, AC012081, Z83745, AC010142, AC004932, AL360227, AL157915, AF250325, Z92540, AL121888, AL445435, AC007298, AC010719, AL160192, AC005701, AC007630, AB020868, AL445143, AL023582, AL080315, AL157359, AC007243, AL021877, AL355889, AC004053, AL133383, AL034554, AC000004, AC007488, AL390738, AC004104, AL137782, AC007394, AL031680, AP000233, AC005683, AC005037, AL139187, AC005900, AC002565, AL355052, AP001692, AC008865, AL159164, AC007091, AL160033, AL353674, AC008753, AC008925, AF163864, AL117338, AL391829, AP001754, AC018664, AL136125, AL023807, AC073572, AC017016, AL050311, AF245226, AC016397, AL109840, AC013410, AC002326, AC004638, AL109921, AC010389, AC010235,

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HMCIQ20	1378	827296	1 - 1132	15 - 1146	R97501, R97500, R95852, R95851, AI935497, W04296, N76086, AV706522, BE150131, AL138001, AW770050, BF671491, AF085902, AL121928, AL354696, AC004491, AL121977, AP001631, AL136135, AL365505, AC000379, AC002288, AC004217, AC002312, AF196779, AC004913, AP001748, AL031428, AC004089, AP000088, AL162724, AC005291, AC004069, AC010326, AC005098, AC006460, AP000704, AC009247, AC005015, AL031311, AC018738, AL049759, AC008969, AC004166, AC009600, AL096703, AL133453, AC073934, AL121601, AK024214, AP000563, AC009086, AC004772, AP001694, AC002073, D88268, AC009032, AC013735, AC018758, AC005736, AC007546, AC008687, AL133467, AP000355, AP001760, AL356575, AP000133, AL135905, AC005288, AL022721, AF243527, AC005800, AC000025, AC002301, AF001549, AC002430, AC007284, Z93015, AC005081, AL049843, AC006515, AC007384, AL031985, AC025472, AL109623, AC008074, AL353802, Z73359, AC002306, AC004797, AP001624, AC005730, AC008635, AC027644, L78833, AC009501, AC002091, AL133551, AL024507, AC002492, AL080317, AC069539, U47924, AC006038, AL356299, AL109804, AC004794, AL163278, AC009362, AC006597, AP001714, AP000140, AL031431, AL158830, AC004531,

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HMCJC19	1379	845309	1 - 531	15 - 545	AA558958, AA411803, AW973942, BF359319, AW613384, AW081970, AA568436, AV702035, AV728436, AW966389, AV706229, AW964468, AV705869, AV706147, AV704180, AV703542, AV705134, AV706910, AV704660, AW964541, AV705453, AV707151, AV704694, AV727782, AV701643, AV702149, AV707511, AV702322, AI535660, AV726502, AW966330, AV702041, AV727954, AV705520, AV703766, AV727978, AV706669, AV705178, AI536138, AV727314, AV705680, AV645577, AI535639, AV707329, AV726812, AV703591, AV727768, AV703274, AV706028, AV706851, AV707146, AV709729, AV705550, AV728309, AV706223, AV705518, AV728138, AV728874, AV702463, AV707002, AV728464, AV702110, AV704568, AV701751, AV703738, AV727848, AV725067, D80045, AV703266, AV726392, AV727499, AV702266, AV728726, AV702458, AV726054, AV706459, AV727238, AV705135, AV727583, AV727095, AV707576, AV725948, AV727312, AV649942, AV727080, AV706661, AV707189, AV704637, AV702984, AV703366, AW949642, AV729255, AV702964, AV724520, AV727316, AV701544, AV726572, AV726542, AV728117, AW945159, AW950095, AV702700, AV725900, AV727935, AV729131, AW949643, AV705757, AV706289, AV706677, AV705392, AV707097, AV729388, AV690546, AV704077, AV705338, AV729499, AV701875, AV647305, AV706745, AV725260, AW952829, AW949384, AV709886, AV705992, AV647654, AV725776, AW963354, AV707822, AV705147, AV726250, AW954665, AV706874, AV704098, AV727100, AV702777, AV658702, AW967182, AV708703, AV702830, AV726480, AV703459, AW956682, AI536150, AV645545, AW952361, AV725483, AV705900, AV709087, AV709635, AW952590, AV702659, AV726388, AV682980, AV727280, AW957300, AV704376, AW949863, AW966767, AV703509,

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HMDAB44	1380	603176	1 - 592	15 - 606	<p>AW103601, R08605, AA365362, AA592915, BE391298, BE408377, AI732656, BE154437, AI217313, BE094775, AW104739, BE276881, AL524755, BE408033, BE896295, AI904111, AW300478, W88502, H70430, AA780433, AW474960, AW856775, AW864413, AL120269, AA814876, R55511, AA601491, AA303160, AW861732, AA846063, AA343789, R07665, BE730001, R10747, AV703231, AW965070, BE870073, BG254383, AU124571, BF246359, BG171447, BG258665, BG177217, BE276970, R98152, N69664, AA419465, AA147159, AA317856, AA146980, R78960, AL163249, AC007422, AL022323, AC008752, AC006337, AC004968, AC004815, AC005011, AC010627, AC016656, AC016652, AL135839, AC009362, AC007073, AC009542, AC006064, AC009330, AC008747, AL135749, AL050321, AC005484, AL133332, AL031733, AC005294, AL137225, AL133387, AL080314, AL109837, AC008088, AC004702, Z84483, AL353771, AL121911, AC002091, AC007428, AC005529, AC010305, AP001715, AF015720, AC018801,</p>

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HMDAE88	1381	638222	1 - 1021	15 - 1035	AW079659, BF684828, AL038785, AA522942, BG029216, AW088202, AA523815, AI625244, AV728632, AI570261, AW972871, AI679782, AV728309, AW977134, AI368745, AV729947, AA768905, AV763777, AA582911, AA482711, AV710306, AU148742, AA837084, AW162049, AI929531, AI339850, AW969698, AW969694, AW029038, AI962050, AA504871, AI064952, AA873560, AW088616, AA767376, AV719311, AI251436, AV719316, BG254180, AV762098, AU145462, AI918421, AA644207, AI567674, U51696, BE787738, BE389903, BF677892, AA490183, AI251002, AA713815, AW166815, AA550758, AA496260, BE277602, AA634146, AW104748, AA488573, AI049722, AA486885, AI608626, AI284640, AI133636, AI917271, AW440836, AI890923, AW406755, AW080134, AL046409, BG249643, AV760777, AV752696, AV761362, BE390977, AI334443, AW303196, AI469003, AA826303, AW020992, AI963720, AA729721,

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HMDAG62	1382	825493	1 - 2400	15 - 2414	BG027751, AV705347, AW956345, AV729315, BF692323, BF241655, BE767694, BF213258, BF216911, BF246864, BF218149, AW473751, AI264148, AI264127, AW769163, BF382960, AI368027, BF246969, BE646282, AW665923, AA018615, AW137294, AA863325, R49075, AA021184, AW023869, H06491, AW592879, AI803253, AA018047, D82483, AA001590, AA018068, BF676230, AI186369, AV749318, D82314, F12069, T66370, AA018048, H39218, H06549, AA016141, AW264687, AA021183, R15991, H39228, R34538, H16337, AW262980, AA665624, AI215603, AA377230, F09709, H16305, D82278, AI933669, T10677, C20732, AA015866, AA358214, T66313, T66617, AC009019, AC009019, and AC009019.
HMDAK20	1383	604990	1 - 568	15 - 582	AC020668, AC021709, and AC015822.
HMDAM08	1384	638224	1 - 1412	15 - 1426	AL359831, AL136964, and AL359745.
HMDAM39	1385	602907	1 - 698	15 - 712	BE675505, AI583433, AA736483, AI829804, AI744348, BE242193, AI348780, H40478, AA634071, AC010419, AC016655, AL035251, AL365505, AC011477, AL079340, AC005924, Z97196, AC006254, AC002400, AL121928, AC010521, AC006330, AL049872, AK026251, AP000351, AF240786, AC011551, AF241735, AC002073, AL391839, AL359382, AC000052, AC004821, AL022329, Z84480, AC007666, AF288992, AC005921, AC007868, AL031587, AL121989, AC005200, U91318, AC026704, AL109984, AC004388, AC003982, AL157414, AC005531, AC005005, AC002094, AP000239, AC006213, AF001548, AL121891, AC004478, AC007308, Z97985, AP001705, AL133163, AL031685, AC025588, AC005088, AC000025, AL035587, AL033528, AC005527, AC007993, U52112, Z84487, AC004448, AC020629, AC008569, AL133418, AL356575, AL109980, AC012351, AL160231, AC006441, AL353748, AC012085, AC004922, AL031295, Z84718, AC005261, AC010458, AL138812, AL049576, AP001712, AL353701, AC018751, AC006317, AC007671, AC004067, AC007421, AC004148, AL109806, AL035420, AC005529, AL034417, AC024085, AP001726, Z97184, AP000240, AL022165, AP000467, AP001052, AL031311, AL022318, AC007546, AR036572, U91328, AL121601, AC005940, AC005971, AC010419, AC010419, AC010419, AC016655, AC016655, AC016655,

HMEAA41	1386	587304	1 - 1688	15 - 1702	AC018548, AC018548, and AC018548. BG250130, BG026465, BE743873, BG253034, BE784787, AW451305, AI344021, BE877548, BG111497, AW291138, AW301011, AW957567, AA987443, AA053639, AI857592, AI970699, AI091705, BF732342, AI857395, W95085, AI672211, AW296632, W68473, AI672192, N72020, W95086, AA055374, AI970736, AI167891, BF109883, AI807860, AA678634, AA232272, BE935885, BF762402, H23090, AI090458, AI279954, AW886716, BF762425, BE185755, AA053760, AI216338, AI022622, AI499716, AI377762, H23091, AI494274, AA055841, N98522, AW864092, AA378218, BE382707, AA868660, AA703978, AA977293, N99472, AW139852, AA303389, BF316838, BE262654, W31086, AA742634, AA568185, AA936523, W68146, BE185599, AW237012, AI198162, AI363952, AI753992, AK025935, AF258545, AL121672, AL121672, AC025743, AC025743, and AC025743.
HMECM77	1387	581822	1 - 1706	15 - 1720	AI218329, AC006559, and AC006559.
HMEEH21	1388	603187	1 - 491	15 - 505	AL353776, AL353776, AL357496, and AL357496.
HMEET36	1389	603197	1 - 471	15 - 485	AL134605, AI041815, AA779769, AA523853, AW009821, AI767696, BE350172, AI467994, AW071481, AI769357, AI768094, AA508172, AW168032, AW172936, AI078244, AI271453, AI312067, AI870702, N70078, AI969485, AA169365, W88496, BF590966, AI624227, AI365152, AI022476, AI658866, BE243517, BE783359, H28732, AI277278, AI693777, AA150762, Z39079, T33376, R63838, AL079478, AW576807, AW576805, AW576816, AI888868, AI888866, AI888859, AI372819, AW576813, AI080355, BE538291, D55983, D62808, AI034000, T62194, AW513794, BE935161, AL161420, AB028981, X68101, AL353574, AL353574, AL353574, AL357553, AL357553, AL357553, AL161420, AL161420, and AL161420.
HMEEZ07	1390	638225	1 - 1993	15 - 2007	AW956054, AA333601, AI942327, AA005034, AA004558, AA004568, BE275928, BE772335, BE185759, AI961134, BG015801, AU117691, BE728395, BG032152, BE798417, BF125868, BF183133, BE386638, AW956823, AA348159, BG015805, BE904223, AL031178, AF176704, AC074331, AL031178, AL031178, AL162581, AL162581, and AC025085.
HMEFB15	1391	596820	1 - 1485	15 - 1499	BF896654, BG056037, H77655, H77656, AC007240, AC007240, AC007240, and AC007240.
HMEIH57	1392	840370	1 - 1612	15 - 1626	AU117048, AC006466, AC007611, AC013738, AL161777, AL135912, AL049875, AL022337, AL031183, AL031119, AC010175, AC008791, AL163209, AL133500, AC007740, Z98946, AC005863, AL390027, AL390768, AC003683, AC004911,

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HMEIJ21	1393	767276	1 - 2383	15 - 2397	BE409562, BG030410, BF348149, BG248660, BE884381, BE515202, BG168824, BF312553, BE311468, BG030381, AV700543, BE311464, BE277436, BG180015, BF206984, BF982183, AW401587, BE386116, AI791733, AI186666, BE389318, BE675753, AW082290, AW261819, AI582235, AI923861, AI733423, BE858619, AW401585, AA034502, AW025899, AI923461, BE676188, AA601538, AI368066, AA279106, AI073451, AW275946, AW512757, AI697431, C17878, AI635654, BG177627, AA743237, AI085307, AW614811, AW062388, AI744390, AI687704, AI952487, AA496076, BF589052, AI359767, AA278843, AA622950, AI023202, AI679355, BG253479, AW176719, BF974978, AA643661, BF871023, AW516328, AI584072, AI598167, BE350491, H07061, AI347420, AI582931, AA921925, AW959457, AW403038, AA918089, BF338508, N52992, H13318, BE292831, AI085302, BE140882, H96929, AA807882, AI961257, AA063318, AI829853, H07062, BF872896, AW292750, AA054731, BF944503, AA836647, BG056082, AW026990, AI589406, H43157, AA759154, R40014, R13953, AW151146, AA583559, R13644, AI366516, AI271948, AW080130, AA074128, AI580964, AA740815, AW079491, AI914663, BE838739, Z42175, R52685, AA406075, AI857247, AI914835, AV718896, AI701788, BG036228, BE732066, BF881535, AA300669, BE140897, BG164271, AI167197, D44930, AW340889, AA835728, BE713052, AI784030, AI002358, AI940138, AV719551, BE140898, AA054738, AI083786, BF881534, AA908445, AA012879, Z38432, BF183164, BE140828, AA526048, BE719133, AA863181, BG252369, AA464554, AA806696, BE269145, AA323070, BE396584, AI687300, BE906034, BF869004, C21388, AK024450, and Z92544.
HMEIX79	1394	778077	1 - 627	15 - 641	AA806216, AI817576, AI031801, AI143563, BE645676, AI366792, AA088206, AI126534, AW043634, BE219165, AI419911, AA452463, N92554, BE709888, BE932147, AI191811, AI239816, W38724, AA088612, AW800597, AA969238, BE466433, H96488, AI221245, AI869775, AA904264, AI452635, N90526, R57974, BE175942, AW024674, AA039280, AA037662, BF084948, BE670880,

					AW979316, AC007924, AC007924, and AL158152.
HMEJC96	1395	761218	1 - 2149	15 - 2163	BE563074, AU133042, BE856612, AW192749, BF340649, AA149854, AW590196, BE394005, AI423026, BF438564, AI634234, AI281491, AW593870, AI925568, AI651886, AA548160, BE887331, BF223173, AA046430, BE673045, AA055908, BF337394, AA614141, AW960914, AA468871, AW196762, AI950216, AI151087, BG258154, BF985292, AI096578, AW135574, AI094221, AI580910, BE834041, R59547, R16862, AW197309, AI400129, AA613993, AI888537, BF337209, BE391436, AA149827, AI400474, AW579991, BF345011, BF593319, AI285105, AW580005, AW579960, AA026967, AW579994, F06720, AW383860, AW580010, AW579964, AW580001, AW579999, AW383855, Z39741, AA861969, R59548, AA031712, R55139, AI263722, R55132, AA026970, AA300776, H08765, AA351556, AW303353, AA300927, AI808877, BF103997, AI419163, BF844599, AW383861, AA815307, N83207, BF086604, AA301056, AI352047, AW578694, BF344685, BE931100, BF760512, AA341396, BF920613, AA031692, BF925058, AW088196, AW949441, AV707733, AV746163, AW950678, AV745570, AV703742, AV709248, AW965899, AW958045, BG007812, AW946235, AV705453, AV707804, AV745600, AW954001, AV705836, AV702464, AW949351, AV704865, AW951937, AV708025, AV705340, AV728953, AV685113, AW961597, AV727499, AW952407, AV706326, AI093363, AW952497, AW962983, AW963498, AW958316, AW961841, AV726243, AV707184, AV705697, AW952418, AV745454, AV702149, AV708856, AW951257, AW952223, AW962984, AW963622, AV725369, AW966314, AV691060, AW953993, AV655703, AW949327, AV705115, AW952196, AW966165, AW951728, AW964785, T18597, AW961012, AW963868, AW966601, AV729219, AW967328, AV726665, AW956797, AW950531, AW963108, AW952013, AV754589, AW964752, AV726716, AW966767, AW963752, AW967275, AW954242, AV707103, AV729388, AV707822, AW956773, AV707756, AW953992, AW955905, AV707769, AV661704, AV705147, AV705171, AI536138, AV701833, AV656224, AW958620, AW950683, AV708161, AW955139, AV703851, AV702868, AW952005, AW959858, AV709786, AW950520, AW953804, AW959270, AV725181, AW967182, AW952592,

				AW960587, AV708808, AV708721, AV705221, AW950254, AV707151, AW950197, AV655096, AW952583, AW950143, AW962978, AW949519, AV706507, AW962136, AV655280, AV660258, AW959896, AV706446, AV709886, AW964112, AW954902, AW950256, AV704269, AV659322, AW950443, AW950559, AW964075, AV726948, AV709551, AW960406, AW965720, AW952989, AW957779, AW961393, AV652528, AW962392, AW954007, AV661286, AW966619, AW957997, AW954428, AV647941, AW949534, AW963949, AW949725, AW953619, AW945191, AW954783, AV726248, AW951740, AV728806, AV708858, AW952046, AF030428, AJ225022, Z56464, Z60872, AF030427, X81969, AX047064, Z32836, Z60873, AJ244003, AJ244005, D50010, AX026824, AF144029, AX026823, Y16359, AX028305, AR038855, AR079804, AJ244004, D13509, AX001322, AX020190, A20702, AR062871, AR062872, AJ244007, AR062873, A20700, A25909, AR088705, AR091393, AX006825, AX006826, AX009487, D78345, AX006822, AX006816, A43189, A43188, AR017907, AX001082, AX008555, A98420, A98423, A98432, A98436, A98417, A98427, I18895, AR070327, A98767, A93963, A93964, I63120, AR091537, AR054109, A85395, A70872, A85476, A93016, A86792, I44681, A58522, X83865, AX021518, A84772, I19525, A84776, A84773, A84775, A84774, AR037157, AX006821, AR067731, I62368, AR067732, A91750, AX035462, I66495, I66494, I60241, AX006823, I60242, I66497, I66496, I66486, I66487, AX042372, A58524, A58523, I08389, I66498, I05558, I15718, AR093392, I15717, A22738, AJ276254, I13349, AJ276256, AR063812, M28262, A06631, AJ270780, AF149828, AB043473, AR031566, AB025273, I44516, E03627, I48927, I03331, A35537, A35536, A90655, A02136, A04664, A02135, A04663, D13316, I84553, I84554, E17098, I00682, S60422, I01995, A11245, A02712, E12615, A02710, AX018504, AR035193, A92133, AR073846, E14304, A77094, A77095, A11624, A11623, E00609, AR096545, A07700, AX027811, AX027809, A13392, A13393, AR031488, I13521, AR080470, AR077142, A81878, AX011024, I52048, A27396, AX027813, AX030369, AX033488, AX030368, AX033489, E13740, AR043601, AX033490, AR069374, I25027, A95117, A95051, A18053, I06859, AR027100, I49890, I44531, A11178, E01007, I28266, AR069426, AR069375, A18050, AX012337, AX042377, AR083151,
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					AX027812, AX035980, AX027810, A23334, AR091518, A75888, I70384, AX033474, AX027816, AR072535, AX033486, AX009712, AX033487, A64973, AX042375, AX032758, AX027817, A60111, AX027818, AX027814, AR069650, AR085082, AR085089, AR085091, A23633, I21869, AR007512, I26929, AX042373, I44515, A10361, I26928, AR095490, I26930, AR095491, I26927, AX003207, A91965, A24783, A24782, AR069417, AR085079, E16678, A82653, AR085083, I08051, AR093385, E16636, AR074365, AX032992, AR051957, AX032993, A20699, E00696, and E00697.
HMEJD36	1396	688860	1 - 1298	15 - 1312	AI874396, AA384717, AA609203, AL136984, AC009228, AL135783, AL158167, AL136984, and AC025991.
HMEJK28	1397	825591	1 - 1952	15 - 1966	AU125260, AU137482, AU143224, BF979962, BE905320, BG110056, AW954111, BE888357, BF026567, BG029311, BE886387, BE787743, BF036993, BE005810, BE066803, BE005792, BG106111, BE005659, BG030463, AV716755, BE066786, BG031259, BE778590, AU135372, BE887428, BF034840, BF338135, BE868838, BG112573, AV712560, BF214840, N45714, BF213704, BF028304, BE885061, BE536630, AI356584, AI347088, BE395083, AI681921, AI188394, BF858245, AU126274, BE777483, AI096867, BF678510, AI949239, BF184121, AA707270, AW958965, AU157193, AA633307, AI690981, AW239297, AI200952, AI669681, AI798809, BE005608, AW089548, AW008494, N23783, AI890758, AI018475, AW470025, AA725815, N51271, BF247190, AI359668, AI568976, BF695947, N20100, AW009914, AI139586, BE044205, BG120837, BE005731, AA860476, BF825690, BF857560, AI129987, BF826918, BG260980, AI718666, AI207986, N51936, AA912686, AA768749, AI383741, AI245880, BF857536, N67649, AI189601, AV654895, BF826941, AA946580, AA632226, N48992, AA167747, AI356794, BF826915, W46970, BF026656, BF058150, BF858239, BF826920, AA056425, AI911483, W47070, N95707, BF840837, BF857539, BF244858, BF696908, BF840835, H82727, BG037171, AW377477, BF241650, BF857561, BF572620, BF857538, W70038, BF837203, W81364, AI219967, AI245295, AW771738, AI383740, AI961325, R62245, BF837231, BF825157, AA487374, BF826913, W38741, AI183329, AI681827, BF826926, BF826942, AA659102, W00832, W81623, AA828479, AI827180, BF516055, BF691072, BF825243, BF577004, AA487168, AA332859, AI129023, AI017064, W04513, BF381139, BE243202, AA384913, AI538100, AW770150, AA167647, AA361670, R59853,

					AA374619, W31455, AA056374, BF028286, H83601, AA865845, BE242044, AA723853, R17124, AA064891, AI302004, AL121936, U90549, AC018752, AC073095, R43217, R43217, R59854, N53390, W01099, and W06962.
HMEKH55	1398	833069	1 - 1712	15 - 1726	AA459453, BE279345, AA205866, BF312631, BG257509, AA101550, AA121619, BF312124, BF316513, AA220914, AW194090, BE902971, AV738784, AV759714, AA486007, AA113943, AV751901, BG257252, AW247263, AA223598, AL532258, BE018678, AA181792, AW250315, AA223124, AA223374, BE795493, AA205631, AA026482, BG259318, AA227341, BE409912, AW152422, AW960173, AA218599, AA132567, AV751522, AA196719, AA219692, BG257521, W58281, BE871186, AA215359, AA216703, AL518976, BE263657, W21295, BF306788, BE782475, AC012156, AL157432, U95739, AL031228, AF212220, AK026932, and AC009032.
HMEKW44	1399	825499	1 - 1992	15 - 2006	BG116470, BE868850, BE670098, AA553612, BF509998, AA813301, Z36965, D61366, AI216671, AV717191, AW152524, Z21245, AI339525, AA483108, AI114701, AU132727, AI720301, AI375684, AI066646, BE893315, AI755202, AU120494, BG110166, AW970987, BF204916, AV739833, AA584876, AV726332, AA057530, BF945708, BG252718, BE061942, AI341571, BE869617, BF241908, AB046814, Z86040, AP001717, AC007385, AL031230, AC009247, AL163283, AB020874, AL132765, AL080314, AL049546, AL079304, AL021397, AL035078, AC009470, AC004890, AL356057, AC004990, AC007103, AC003009, AC004804, AL161670, AL024498, AC069275, AL118506, AC018663, AL137818, AC004263, AC005844, AL356414, AC020754, AC008264, AC005723, AL034375, U91326, AC005409, AP001330, AL049539, AC006241, AC024162, AP001711, AC026197, AC008265, AC073184, AC009509, AC007842, AC006430, AC009475, AC009032, AL050336, AL031296, AL137119, AC005086, AC010205, AC007528, AL023578, AL133551, AC006377, AC005081, AC004070, U62293, AL138836, AL021395, AL121936, AC005368, AC005155, Z82214, AL133243, Z68276, AC006509, AC005229, AP001728, AL133245, AC004087, and AC073838.
HMEKW71	1400	855955	1 - 1161	15 - 1175	BF339738, AW138763, AI968244, AI671228, AI146849, AI650986, AA974891, BF337420, AI935406, AI823383, AI375139, AI632343, AI580312, BE254879, AI190358, AA758662,

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HMELW26	1401	581068	1 - 1388	15 - 1402	AW965817, AW603940, AW847750, AW752566, BE878093, AA306169, BG171582, BE540207, AW293605, AW157201, AI457838, BG251689, AA938423, AW847690, AA282187, BG169305, BF515338, BG166888, AW162647, BF115649, N94477, AW847756, AI684319, AA307191, BG178480, BE242043, AA157919, AW847685, AW070701, T07925, H08997, BF947687, R56031, AA357234, BE814467, BE545617, BF088001, H17248, Z45854, AI904416, F05803, AW578123, BE243198, BE087260, BE241554, AW379828, AW367053, W23904, AW997229, BE699329, AA155611, BE884886, BF767709, BE887287, BG249537, BF911697, AI904379, AI125136, AA076886, BF087944, W26835, AW795066, BE090128, AW504032, W25759, AA088795, BE694682, AW889737, BF037613, AB024334, AK024230, AC006388, D17447, AF058799, AF043737, AC006388, AC006388, and AC006388.
HMGBT32	1402	732678	1 - 1207	15 - 1221	AA332052, T33675, AA313584, AL522861, T31050, BF530832, AA035034, W17324, T34146, BE249997, BE740479, W37196, BF664496, BE795746, BE791967, AA089782, BE530992, BE615670, BE615569, BE871083, BE394668, BE292751, BF975159, BE744741, BG110022, BE746111, BF972388, BF798998, T19126, BF128584, BF794654, BF983431, AL517547, BE780853, BE003656, BF807037, AV761258, BG166887, T34243, BE884287, BE616961, BE019682, BF219811, BG256390, BF803180, BE389701, BF664003, BE938633, BE395748, BE780318, BE261370, BE547218, AW250263, BE378127, BE536042, BE019717, BE280522, BE292717, BE298641, BE305134, BE390552, BE253198, BE296994, BE252202, AV716065, BE888583, BE390992,

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HMHB109	1403	847402	1 - 928	15 - 942	BE613340, BE311981, AI079540, BF339777, BG164618, AW301090, BE899322, BE259564, BE265746, AW245743, BE747302, AL110467, BE729574, AL525054, BE734296, BF316896, BE742508, AI870747, BE745405, BE549234, AI435074, AI810818, AA426021, BE379419, AI675429, BE612600, BE903604, AW016054, BE877226, BF939243, BE909447, BE746235, AW197499, AI968701, BE782991, AI085552, AI803701, AW015418, AI609029, AI917395, AI627419, BE788807, BF350582, AI243526, BF686415, BF448768, AI813835, BE254649, BF792659, AW271667, BF033662, AA838309, AA418059, AI184105, BG116654, AW245387, N51652, W00635, AA505926, BE382926, BE266690, AA993193, AI350611, BG167167, AI074877, AI813850, AA852859, AI609552, H68794, AA443445, AA836943, AA557951, BF928087, BE890771, BG249818, AA852860, BE840422, AI499309, AI623897, R96119, AI380916, AI867284, AW002546, H68793, H96259, AA428116, N36450, AA443541, AA417955, T71246, BE780379, BE829913, AA814467, H06674, C02248, AC011479, AC011479, and AC011479.
HMHB193	1404	844729	1 - 2089	15 - 2103	BE883111, BG258002, BF342495, BE396242, BE857131, BE740803, BE779317, AA740900, AW778911, AU158354, AW118176,

					<p>AI076350, AI160295, AI740545, AI798756, AA678982, BE764655, AW801067, AI912485, AI801086, AA402957, BF801829, AA679025, AI270683, AA828079, AA010343, AI688169, AA306339, W19078, AL046057, BG258182, AA446211, AW193206, AA446222, BF905988, AI028489, AA446210, AW502275, AA806665, AI360620, BF815789, AI208361, BF899607, H26560, BF834770, AA913657, AA677995, AI342185, R48263, AI863079, AW474967, AI572637, AW503292, T56988, AA952885, H26559, AW029176, R48362, AA884179, AI673567, AV656203, AW801625, AI589142, T32365, AA878059, BG230592, T56989, AA372000, D25694, BG002643, Z25133, AA035187, AA662958, AA594613, AI919126, AW050729, AI015823, F31497, AI356265, BG056044, AA032301, AW576350, BG222355, BF838735, AL039276, BF528944, N89061, F00392, AA338146, AV690655, BE147479, AA035188, AI363252, AW182703, BG152405, H30396, BF926557, AI568438, T32051, R89027, AA339528, H46411, AW148893, AA907175, AI422485, H23967, AA342099, AA927080, R73223, R15670, AW771102, AA366174, BE181430, BF925266, BF926547, AW891182, BE764630, AA887405, H44635, F34989, BF834787, BE171182, AA480161, AW579250, AF252258, D86970, AF104984, AF105277, AB026497, and AA446223.</p>
HMHB74	1405	765108	1 - 1241	15 - 1255	<p>AV694638, BG260509, BG120648, AV690805, AV697898, BF513825, AI493883, AI360093, AI871168, AI167767, AI061121, AI421346, AA476916, AI086735, AI498914, AV695939, T23477, R43982, H10040, H78174, Z40753, AA236377, BG057842, AA545809, AA887091, AW972915, Z45022, R18967, R36912, AA677504, R36324, AA541412, R49254, R12909, BF339369, AV706681, H10094, AL008718, AC062010, AC062010, AL008718, AL008718, and AL008718.</p>
HMIAC52	1406	825484	1 - 1628	15 - 1642	<p>AL534548, AL525963, AU121782, AU130758, BE790840, AL525238, BE250223, BE902833, BF529677, BE733720, AU143629, BE879760, BE781489, BF965980, BE891754, BE794721, BF797804, BE279359, BE537763, BF796480, BE799046, BE390526, AW245734, BE387977, AA523271, BF313224, BE884060, AW630179, AW603967, AW366986, AI479138, AW615002, AI356438, AW249401, AI203324, BF349491, BF676313, AL120999, BE543198, R35395, AW579490, AA548307, BF905255, AI083553, AI677943, BF923561, AW847775, H18281, BF871930, BE166547, BF733194, H46461, AW853243, H46982, H46437, BF770020, H46540, H20329,</p>

				<p>BE696366, H47002, BF952991, BF814112, AL045281, BF820457, BF925295, AI277701, BF950306, BF873564, BF903328, BF768925, AW606676, AW604339, T70818, AW578394, BF947321, AW887235, H18242, BF974926, AV661286, BE707202, AV693000, AW950018, AW966055, AW950012, AV695359, AV709908, AW953786, AV704756, AV704771, AV652528, AV709356, AW949942, AV725386, AV705812, AV728355, AV688766, AW952168, AW963619, AV705420, AW959712, AW951562, AW950446, AW955394, AW959895, AV690921, AV705504, AW952196, AW955596, AV706013, AW954011, AV703819, AV727015, AW958000, AW954070, AV709932, AW962924, AW962934, AV659189, AW956762, AV708608, AV656250, AW950632, AV653203, AW951452, AV706028, AV727756, AV652837, AW958871, AW959823, AW964422, AV651519, AV657583, AW951882, AV706432, AV727187, AW959830, AW963641, AW957428, AW960237, AW960538, AW954211, AV704483, AV706506, AV702798, AW959862, AW960201, AV708388, AW959804, AV728244, AV703035, AV728853, AW951768, AW960308, AV705813, AW951304, AW949478, AW951958, AW955724, AW959868, AW955053, AW953608, AW949451, AW949524, AV661838, AV726831, AV708647, AW962978, AW950443, AV687844, AV728309, AV709596, AV658362, AW951526, AV707087, AV706827, AW960601, AW951536, AW952403, AW952183, AW959806, AW963857, AV656903, AW966539, AW950635, AV661704, AV697196, AW952751, AW956075, AV645936, AW949383, AV709587, AW959721, AW955723, AW950976, AV658084, AV650283, AV692600, AW952011, AV650315, AV703687, AW963768, AW967181, AV650591, AV659389, AV697880, AW950373, AV727613, AV656373, AV726010, AW957544, AV728590, AV655280, AV702019, AV660258, AV647789, AV708109, AW959521, AW956474, AW959312, AW950006, AV727787, AV659294, AW960655, AV650691, AV703146, AV686060, AV725745, AW951239, AV660608, AV686064, AV728148, AV659322, AV726156, AV650768, AV654908, AV726590, AV656478, AV698545, AV708091, AV726628, AV709314, AV703790, AV653353,</p>
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					AV708381, AV654070, AV660728, AV728632, AV704802, AK001594, AJ243467, AB015332, AB025905, AF199414, AX013778, AC006128, AB028921, AL133576, AC007059, AX047063, AR050070, A62298, AX047062, A82595, A82593, AX009343, AX009341, AX009337, AX009335, AX009345, AX009342, AX009344, AX009340, AX009339, AX009336, AX009338, AX009334, Z30183, AC006143, AX047064, U94592, U45328, AX040581, AR023705, AR025466, and AX046743.
HMIAD75	1407	846483	1 - 1607	15 - 1621	AI675282, AL359974, AL354976, and AL358932.
HMIAG42	1408	846339	1 - 1964	15 - 1978	AL525981, AA242973, BF030911, BF110442, AL525939, BF217853, BF589264, AA450144, N47280, AI990299, AF074979, and AF060877.
HMIAG55	1409	736020	1 - 918	15 - 932	BF088458, AA617666, N85578, AW583753, BE302144, D55883, AW131044, AA580570, AA379603, AA296676, AA335026, AA332869, AA664691, AW058386, AA295948, AA385384, AA305952, AA385576, AA321045, AA382864, AA359299, AW467497, AA657836, AI283339, AI633028, AA316027, AA320126, AA248239, AA377080, D55948, AI499273, BE208309, BE302135, AW883017, AI640383, AW405865, AI434584, AA320435, AW404604, AW193561, AW275989, N57228, AA370117, C14969, F00773, AA373946, AA310136, AI628020, AI683962, AI572872, AA320078, AI587312, AI589377, BF000828, AA328908, AA317518, AW166845, AA331958, BE045253, AA936935, AA312477, AA318205, BE018539, AW075903, AA642006, AA551556, AI469433, AW076101, AI870234, AW272650, AW276221, AW304281, AA379792, AA335088, AI640398, H03579, W00923, AA581337, AV654947, AW583804, N86132, AA330046, AA357710, AA362787, AA483593, AA531045, AA083774, AA658106, AW405879, AA650085, AA876625, AA229432, AI903749, AW406429, H44146, AA328093, AA564495, AA640406, AA379422, BE886677, AW406849, AA715419, AA593143, AW406171, BE301833, AA143132, N31124, BE336945, AA601945, AV703791, C14628, AA130308, AV762043, AA512857, AA373581, AV692749, AA535583, AA070697, AA484575, BF727325, C15049, H48645, AA314883, AI459607, AA531097, T07903, AI983402, AW405326, BE395654, AA740413, BE281488, AA977945, AW404915, AA580694, AA525121, F20909, AA064843, T58458, AA680244, AI306518, AW131839, AV704752, AA524631,

					<p>AI879727, H82370, AA379793, AA305948, AI884799, AW021767, AI014471, AI879747, AW406857, BF726629, BF727397, AA622861, AA650381, N57403, BE549096, N27461, BE276983, AA314925, AA532682, AA875926, AA514974, AW406306, H66162, AW406336, BE392218, AA314102, AI833158, BE539281, AA947335, AV757829, AW827414, AA314984, AA530884, AA961773, BE044934, AA622518, BE293470, BE293756, AW406520, AA315177, BE389089, BG031525, AA480439, AA665458, AA496525, W00894, AA305242, BE619544, AW161474, BE884449, BE273146, AI672791, BE878177, AA496632, AA533955, BF726533, BG142136, AA829080, BE298668, AA316751, AA483472, AW575966, AC007386, AL121886, AL035091, AP001421, AP000013, AC006160, AC004848, AC011484, AP000512, M84371, AL121928, AP000154, AL009031, AC002326, AC004851, AC011470, AL109804, Z93023, U96629, AL035413, AL139353, AC006512, AC002476, AB023050, AC005057, AL080243, AL034379, AL022320, AL020997, AC009330, AL133418, AL132708, AL132990, AL031291, AL096840, AC005839, AC005796, AL132821, AC004773, AP000557, AJ003147, AC005702, AC025588, L05092, AC004500, AC005399, AL096814, AP000501, AL132825, AC005620, AL031848, AL008725, AC009194, AC007388, AC008733, AC011465, AC008623, AC009060, AF168787, AC002470, AP001729, AL031680, AC002400, AC011480, AL159980, AC007405, AC016025, AC005332, AP001725, AL096712, AC005255, AC006449, AC004965, AC006501, AC008050, AC002472, AC004212, X79234, AC007205, AC009542, AL121601, AL133163, AL031602, AL353802, AP000432, AC010150, AL445483, AL035587, AL022322, Z93015, AL157713, AC007683, AP000300, AC068799, AL035415, AC005225, AC008556, AC002404, AC022149, AP000113, AP000045, AB020864, AL049553, AC007917, AC006211, AC015651, AL050335, L44140, Z93244, AC003108, AC007376, AC007366, AL035086, AC068847, AC068847, and AC068847.</p>
HMIAG72	1410	824091	1 - 3038	15 - 3052	<p>AL529410, AU131473, AU130592, AL529409, BG177556, AU139381, BG034582, BG257240, BF337749, AV708667, AV707279, BF970934, BE893095, AI744577, AU123717, AL133759, AV705831, AV704104, AV701721, AW069446, BE540506, AI796686, AI740469, AU152510, BF438056, AI951890, BF104935, BG054900, BE349014, AI473996, AA845517, AA903659,</p>

					AI091553, AI423587, AI290471, W24335, AI435872, N22699, AI811961, AI342397, AI867434, AI016330, AW337408, BF513732, AA576780, AA976073, AI362993, BE694530, AW408100, AA418258, AI418467, AI638053, AW591583, AI216075, AW957381, AA939090, BE672367, BE856611, AI142900, AI160050, AI216058, BE931614, AA121398, AA232698, BE674052, AA973228, N99442, AI338939, AA987940, AW750101, AA176369, AA418361, AI753790, N72008, AI350053, AU157985, AI446545, W25168, N95474, BE768391, AV649868, AA699318, AV734684, BE958476, AA132808, N50574, BE768374, AA536079, AA774469, AI087036, AI205585, AA291238, H06583, AA740501, W81578, AW402001, AV659820, AA441892, AA758170, T78824, AA442007, BE169115, AI216066, F13405, AV689085, AA132604, AV647072, N95413, BF692050, R64249, R38406, AA878292, AA181866, AI279989, H06528, AA886880, H87995, T77975, H16659, AW949147, AA495768, AA699616, AA371141, AA385150, AA383294, F11103, AA365076, BG010274, BF207641, AA164624, H16516, AA453115, AI216838, H88170, AA232699, BF207740, BE539973, N50518, AA300844, AI221627, BE169093, BE568841, R08907, AA232927, R09013, R64144, AI571134, W81643, AA121595, BE564523, N53617, H86591, AA180396, BE564481, N71885, BE565323, AA910896, BF027874, BE565357, AI361170, AW948433, AA397940, AW293687, AI674794, BE568705, BF208341, AA182552, AI926424, BE565701, D20980, AA166666, AV711471, AV692622, AF039081, AC008115, and AK002189.
HMIAL39	1411	668251	1 - 1266	15 - 1280	AW157184, AA813334, AI424306, AA862637, AW401376, AA024898, AU149274, W60316, W60265, AI588909, Z41734, AU144188, AA024897, AV735102, AI915026, BE966571, BF871314, BE965014, BF924897, BE966547, BF984813, AW075382, BE878707, AV733397, BE875442, BE963872, AW079432, BE880892, AI491852, BE966443, AA806227, AI207510, BE964994, AW827206, AL040459, BF525392, BE886686, BE011880, BE966579, AW162194, BF969040, BE965599, BE890427, AV747873, AI560545, AL046944, AL047344, BE965758, BE966129, AW268067, BE965621, AI923989, AI225000, AI309306, BF204241, BE176248, BF904265, AV681630, AV682252, BG113299, BE964752, BF338002, AL514691, BF798503, AL513961, BG261310, AL138386, AA587120, BF970658, BE887846, BE928728, F30885, BG170937, AI494201, AW071265, AA760884, AV751247, AI445620,

					AW827214, R36363, AV711924, BF216408, AW268937, AW834325, AA291456, BG180032, AW268759, AV749888, AC011460, AF086241, AK022706, AK000909, AL353745, AL442643, AC007511, AC012502, AC010478, AL050322, AC025765, AC007282, AC011460, and AC011460.
HMIAO82	1412	833070	1 - 3606	15 - 3620	AL157648, AU127777, BE790279, AU150230, AU151793, AU149388, AI963090, BE671941, BE042689, AI268048, AA102627, AU145570, AI658922, AA148853, AA829217, AA872268, AW968349, H10571, BF593988, AA235286, AI522266, AW196386, BF223265, AI828833, AI567692, AW408769, AA468919, AA586312, AW576903, H43363, AI291984, AV700498, BF346320, AA347971, AV700988, T65573, BG260565, BF207509, AV714931, BE538259, BF091503, AV760760, AV722030, H40000, H39569, BE541237, AV762220, AW590653, H63185, AI287643, AV700545, AV722075, AL048969, AU123691, AL037632, AI354847, AV762696, AA923264, AA577824, AV761207, BE796439, BE909125, AI038990, AA085504, AA483812, AV762129, BG164166, AV762783, AL048626, AV760723, AA524604, AU131051, BF828714, H43319, AL534817, BG108021, AI682060, AV731286, BE169723, BF346854, BF345114, AA492496, AV700113, AV759851, AU155048, AI685230, BG258140, AV759873, AL041706, AU154050, AL138254, AI679002, AV761286, AW875184, BF345228, BF813805, AW405593, BF347042, BG034591, AI860423, AK022855, AL079275, AB041602, AC007956, AC008623, AC008521, AC005519, Z84480, AL050349, AF168787, AC010328, AL158040, AL121586, AC006040, AL133245, AC006487, AC004686, AC004099, AC020908, Z93015, AF207550, AC006942, AC007686, AL049539, AC002347, Z97630, AC005914, AC008745, AC005102, AC004973, AL121652, AP001725, AF196779, AC007546, AC011469, AC004876, AL117381, AC008264, AC002312, AL135924, AP001670, AL031311, AC008651, AL353748, AC004890, AC010553, AL034420, AC004922, Z95116, AL133448, AC005500, AL031427, AC005015, AL022721, AC008649, AC002544, AL133229, AL109627, AC000353, AL008582, AB023049, AC018738, AL020997, AP001711, AL080243, AC007850, AC010422, AC000070, AC007679, AL356354, AC008753, AC004797, AL109952, U85195, AC002565, AC008626, AF134726, AL158141, AC006544, AL035079, AC006071, AL135749, AC005971, AC006457, AC005920,

					<p>AL356299, Z95114, AC026431, AL022165, AC004033, AL022326, AE000658, Z97632, AL049776, AC009087, AC005484, AC007731, AC011489, AC011475, AF205588, AL139100, AF053356, AC004019, AC004386, AL022316, AL031296, AL109823, AL161670, AP001748, AC010267, AC005933, AC010102, AL133551, AC008892, AC007371, AC021752, Z97184, AC006468, AL049694, AC007151, AC002350, AC008266, AC003982, AC000159, AL008719, AL109825, AC003013, AC024075, AL033529, AC004000, AC005033, AL121601, Z69920, AC007688, Z93017, AL121658, AL080314, AL096791, AC004476, AC008760, AL021393, AP000133, AP000211, AC011453, AL133387, AL353807, AC004971, AC005740, AL049636, AL135927, AC009509, AP001710, AP000503, AJ011930, AC006538, AD000092, AL354696, AC007388, AC004263, AL110115, AC006511, AL079340, AL162430, AL049760, AL133545, AC011479, AC021016, AC002091, Z83844, AF254822, AL163300, AL117348, AL353804, AP000113, AC002477, AC006345, AC007993, AP000689, AC005231, AC024561, AC003043, AL121934, AC010489, AP000466, AC006211, AF190464, L44140, AC007207, AL034380, AC005822, AL354864, AL079342, U91321, Z93930, AL445248, AC005200, AL109804, AL022476, AP000963, AC006213, AC005225, AC007308, AC011455, AL024498, AC007565, AC004703, AC004883, AC005412, AC005399, AC005046, AP000563, U95742, AC008392, AC004253, AC005527, AL118502, AL139353, AC005103, AC005696, AP000116, AL389874, AC002316, AC008806, AL133453, AP000343, AC007066, AL096840, AL022315, AC008443, AC006512, AC008018, AP000692, AC002310, AL136418, AP000501, AL109935, AC008269, AC002554, AC004859, AF196969, AP000045, L78810, AL390374, AC008897, AC007383, AC004882, AC005821, U91323, AC000117, AC011442, AC025707, AC025707, and AC025707.</p>
HMIAR42	1413	809096	1 - 1882	15 - 1896	<p>AU118046, AI460321, AL518808, AU143090, AA747426, AW976112, AI336195, BF033135, BE548454, AL532457, BE546087, AL135535, AA670021, AW665703, AA524305, BF980787, BF434311, AA115748, BE004732, BF930420, AI492274, BF210983, BG168141, AW009341, AI820689, AI963448, BF185250, AI149128, N32841, AW675527, AW630309, BE169687, AV719389, AW118055, AI372931, AI024476, W87947, AI192904, AL518809, AI218576, AA742371, AI129408, AA694101, AI368750, AW672852, AI474325,</p>

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HMIAV33	1414	668252	1 - 1347	15 - 1361	AI242940, AL163302, AJ239326, and AJ239326.
HMIAZ24	1415	846484	1 - 629	15 - 643	AL040396, AW963918, AI627368, AI761270, BE711307, AI697779, AI568646, AI862541,

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HMIBD93	1416	634227	1 - 1309	15 - 1323	AL045780, AW590225, AW970178,

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HMIBE95	1417	804597	1 - 2069	15 - 2083	AC009511, AC007282, AF241730, AC024929, and AC024929.
HMIBG57	1418	638227	1 - 903	15 - 917	BF512846, AA807062, AI064824, AA663160, BF221850, BF221933, AA788780, AI823426, AA179291, AA781480, T92269, T92314, and AC013476.
HMJAC12	1419	841631	1 - 1000	15 - 1014	AW384449, AU132333, AU125535, BF240621, AA468466, AA468319, BF830998, AW975902, AW968194, BF910378, T40617, AU147781, AW102863, AA447006, AW474052, AI459703, AW173501, AA808715, AW514668, AA744036, AI698338, AI652191, BF900044, AW105737, AW405600, R79654, AL041704, AA569187, AA872627, AW875185, AA325415, AI284888, AV720175, AV719712, AA878955, BF928528, H72666, AV719489, AW939372, AA015749, AW468151, BF849123, AI708663, AA640563, AA196287, AI560730, AA323570, AW468358, AW157450, AI053901, AW268746, AW976687, AA594699, AA714930, AA782338, AI284881, AA652057, AA649642, AI251250, AI345900, AW972851, AI890753, AW080061, AI707788, AI275328, AA205911, AI311505, AA125788, AA468056, BE799873, AA467938, AW069527, AI160682, AA002262, W60406, AI371593, AI224184, AA467756, AI254540, AA565691, D83882, BF810149, AA151642, H60239, AI132915, AI669444, AI266133, F17700, Z99758, AC009480, AC004089, AC005015, AC006484, AC003968, AL079335, AL023580, AC011604, AC007276, AL031296, AL049709, AC007899, Z98950, D87343, AP001432, AP000010, AP000151, AL034405, AL049776, AC005324, AC009499, AC004826, Z94722, AC004833, AC002301, AL121998, AL031447, AC005995, AL161657, AC006006, AL109840, AC010102, M92294, X14448, AC004911, AL022098, AC004408, AP000246, AL121757, AL353811, AC002553, AC003664, AL136093, AL035071, AC083871, AC004846, AL118502, Z82215, AC005003, AL157372, Z95115, AC005091, AL033520, AP000553, AC018751, AC009516, AL050335, AL023799, AL023801, AC020629, AC004223, Z93016, AC004686, AC003998,

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HMKAN71	1420	884161	1 - 1706	15 - 1720	BE379784, BF340383, BF439334, AI635715, AL520172, AL522216, AW411210, AI624534, AL520173, BE785663, AA879465, AW104990, AW630619, AW409582, BF087963, AI766309, BF512139, BE537862, BF701425, BF700820, AA081177, BE379855, AI803484, R78080, AI129966, AI925109, AI804159, AA279212, AA410910, AA678827, AI860837, AI183591, AW474646, AW805183, AW316983, AI431314, AA766602, BE139077, AA081236, AW194027, AI521521, Z38832, BE887157, BE972627, AL522217, AA588351, AU155980, AI923638, N39554, R22273, AA447188, AA769352, T52102, AA371263, AU135336, AA259257, BE538577, AW613876, T60532, AW411209, AV686756, R22218, Z42670, AA443811, BE298394, BF184613, BF341338, BE619497, AA969814, AA729654, AA259256, AI969030, AW572611, BG119811, BF592136, AW409826, R24524, BE619819, and AK001845.
HMKBA33	1421	596949	1 - 1716	15 - 1730	AI246679, AV760723, AA680243, BG258140, AW963982, BE792565, AI732120, AA133505, AC007216, U80017, AC011484, AC027319, AC005933, AL135901, AP001714, AL121891, AC003108, AL121825, AL133294, AC002565, AC004491, AC005004, AC087225, AP001727, AC009600, U95742, AC005089, AC005031, Z83826, AL133448, AL355392, AP001748, AC005231, AC008551, AP001713, AC002369, Z98200, Z98044, AC019171, AF207550, AC005971, AC018663, Z97876, AC005412, AC004840, AP001710, AC005479, AP001712, AC005015, AC004644, AC008379, U85195, AL132639, AC009123, AC011529, AC004824, AC000353, AE000658, AC004910, AC018719, AC011491, AC008569, D87675, AC016027, AC005952, AL159977, AL022315, AL162390, AC006111, AC005829, AC007382, AC016830, AC013434, AL121890, AF196779, AC010422, AL034417, AC006312, AC004854, AC003043, AC004882, AC004777, AC002350, AC004815, AC004216,

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HMKCI22	1422	864176	1 - 2004	15 - 2018	<p>BE562805, AA193474, W91997, BE645536, BE045639, AA040050, AA040039, BF940146, BG054711, AI672092, BE046909, AI275432, AI697824, BF593256, AI768826, BE326373, BE218327, AA804600, AI686630, AW294545, BF446094, AW953391, BF942120, AA235359, AI273488, AA723526, BF477192, AW139505, N67503, R17942, R77237, BE044158, R78577, AA554304, BG055379, R77238, AI084410, AA355044, AI220176, BF057201, BG055327, AA160001, AA193521, AA160000, AI214878, R18046, T03055, W03478, AW904783, AW138233, AA625815, AL119150, AA353211, AI636439, R78578, AI890688, W00350, AA494264, AA490200, AI433157, AI889189, AI866469, AI927755, AI521560, BG257535, AI801325, BG029667, AI500662, AW151136, AI815232, AI582932, AI872423, AI537677, AI500523,</p>

				AI888661, AI859991, AI923989, AI860003, AL045500, AI620284, BF812960, BF885082, BF812961, BF032768, BF814527, BE968711, AI269862, BF812938, BG029086, AI371251, AI890907, AI766348, BF338002, BF527014, AI366900, AW827289, AI783504, BF970768, AL514357, BE047852, BF339322, AW827206, BF814412, AL513817, BF822127, AW983829, BG179993, AL048323, BE536058, AL514701, AA641818, AI358701, AI824576, AV741327, AW149925, BE964614, BF726207, AL513763, BG104820, BG180273, AL119319, AW051088, AW026882, AW161579, AL514867, BE621256, AW162194, BE910373, AI473536, AW806761, AL037454, AL048340, BG035511, AI689420, AL514951, BE543089, AI886415, AL079963, AV681848, AL513977, BF672397, AL046595, AW238688, AV743631, BE965599, BG036846, AL513577, AL040241, BF814420, BG163618, BG113712, AL514579, AL514473, BF680133, AI432644, AI648684, BE786043, AL515195, AI590686, AW083778, AI579901, BE883591, BF699668, AI690748, AI923370, AI241923, BE879787, AA420722, AI624293, AL515413, AI702073, AI500061, AW079334, AI698391, AI915291, AW152182, AL513553, AW082113, AI863321, AL038605, AI866581, AW167918, AI249877, BE963035, AL041150, BG116926, BG110517, BG260144, W74529, AL039086, AL119863, AA908294, AI521596, AI254812, AI648567, AI690946, AI554821, AW858243, BG252929, BF816042, AL515191, AW268060, AI917963, AI539771, AI627988, BE897632, BE541445, AI494201, AI440239, BF812963, AI500659, BE895765, AI866465, BG166654, AL037030, AL513829, BF812438, AI538850, BE885490, AW983832, AI887775, AI868931, AI590043, AI284517, BG031815, AI500706, AI445237, AI491776, BF811804, AW151138, AI582912, AW172723, AI539800, AI284509, AI538885, AI440263, AI889168, BE969581, AI866573, AI633493, AI434256, AW946771, AI805769, AI434242, AI500714, AI284513, BE885353, AI888118, AI436429, AI355779, AL122003, AL137548, I89947, AK024538, AF113677, AK000445, AI8777, AF119857, AL050092, AF017152, AF116646, AX040974, AK026959, AX040958, U87620, AF111849, AF217987, AK025465, AK026593, AL389982, AL137292, AF126247, S36676, AR075044, U42766, AL137550, AL389957, A08916, AL389935, AF100931, I48978, A08913, AK027114, AK026647, A08912, A08910, A08909, AL133557, AL110222, AK025383, AK024524, A08908, AF119871, AL117583, AK027164, AB046642, AB007812, AL117649, S76508, AF030513,
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HMKCK32	1423	561576	1 - 1006	15 - 1020	<p>AV762454, AI654655, BG030413, BF342223, AW192331, AI610651, BF941416, AA569178, AW302048, AA653164, AC006290, AC002425, AC003071, AC009060, AC004534, AC004131, AC008372, AL117336, AC009079, AC003684,</p>

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HMKCP81	1424	608296	1 - 943	15 - 957	AI827559, AI379101, AI803561, AA281997, AI341752, AA936199, AI220163, AA857528, AI252771, BF899211, T57435, AI885080, AA280595, AW812719, AW812619, BE207401, AW026871, R89167, AC005386, and AC009310.
HMKCY49	1425	638090	1 - 1020	15 - 1034	AA457272, AC018546, AL133370, AC018546, AC018546, and AC018546.
HMKDD51	1426	894846	1 - 1136	15 - 1150	BF327295, AI367567, H02771, R38456, BF812933, BF970990, AW103371, BG168696, AW195968, AI610756, AI480118, AI609593, AI554484, AW301409, AW149869, AI538716, AW195957, AW002342, AI815855, BF724691, BF055737, AI568870, AI633419, AI636719, AW131954, AW118512, BE048071, AI281779, AI570384, AI498579, AI866002, AI224992, AI284020, AI580984, BE018334, AI249257, AI566507, AW087445, AI912866, AI857296, AI799199, BE963918, BE887982, AI610645, AI612920, AI682841, AI868831, BF792469, BE966388, AI828731, BE963035, AW196141, AI866608, BE964700, AI569616, AI539153, AI537303, AL036361, BE047952, AI433976, AI560099, AW168650, AI554427, AW129202, BF970449, AI269205, BG058208, BG035511, BE964812, AW079368, AI538829, BF817926, AI824444, AI445025, AI536638, AW151485, AI952360, AI274541, AW104724, AI624206, AW008048, AI637584, AI439087, AI872711, AI702433, AW082040, AI926790, AI564719, AI636445, AL043326, BE047852, BG031815, AI580240, AL036403, AI811344, AI524671, AI702406, AI921248, AW071417, AI619502,

					<p> BF882343, AI802542, BF793187, BG179993, AW026882, AI499463, AI284484, AI783504, AI620284, BF812938, BF883916, AI690312, AI613017, AI475451, AI433157, AI702073, AL042753, BF812961, AI269696, AL036396, AI567351, AL038605, BG031664, AI811845, AL047763, BF795712, BF344652, AL044207, AI249323, AI469811, AI539771, AW403717, AI500523, AI624668, AI678302, BG120816, AI349004, AI520931, AI682720, AW169671, AI335449, AI636456, AI251830, BE904051, BF885675, BF971016, AI590128, BG222103, AW268220, AI628292, BF342070, AL119791, AI963068, AL036146, BG104576, AI491897, AW071349, AI521012, BF341801, BF725126, AI469119, AW162071, AA508692, AW088793, AW192226, AI590999, BF527014, BG109270, BG250190, BG252040, AI673710, AI432969, AI922901, AA572758, AI273142, AW999049, AL036759, AI640379, AW195969, AI680165, AI612759, AW274192, BE895585, AL135661, BE874133, AV682326, BG260037, AI445165, AI242249, AI866887, AI648684, BG112879, BF814335, AI491852, AV735353, AI758437, AI340582, AI540832, AI349933, AI537075, AI682743, AV746964, AI871697, AI432813, AI475947, AL045500, BG058398, AI679724, AL036802, AI702068, AW827249, AW090013, AI627360, BG036846, BG032704, AI572676, AW149851, AI591074, AI590227, AI571551, AI275175, AI281837, AI610307, AW238730, BE875407, AI891157, AI571909, BG180996, AL040243, AI572787, BE964636, AI282281, AW075351, AW827203, AW806761, AI366549, BG180034, AW005858, AI690426, BG257535, BF968205, AI869367, AI889376, AI281762, BF343172, AW148320, AI800453, BG164371, AI784252, AI800433, I48979, I89947, Y11587, A08913, I89931, A08916, E03348, AF113676, AL162083, AF113689, AF090903, AK025084, AF116649, AF116602, AB019565, AF078844, AF090901, AL050393, AL389978, AF119878, AF130092, AR059958, AK026533, AL390167, AF125949, AL110196, AL359596, AK026741, AK026865, AF113019, AF113691, AB048953, AF113699, AK026744, AF130105, AF130104, AF130082, AK026855, AF119875, AK026608, AB041801, X84990, AF116646, AL110221, AL050116, S68736, AF116639, AL137527, AF219137, AF090896, AL080137, AF104032, AL122123, S78214, AF113013, AB047615, AL080124, AK025772, AF111847, AL122093, AF113690, AF116688, AF090934, AL137283, A93016, AK026045, AL162006, AF116644, AL389982, AL122121, AF119899, AK025339, AK025958, AL359601, AL117457, AF138861, AL080060, AL050108, AX019230, AF090900, </p>
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HMKDG69	1427	588407	1 - 1747	15 - 1761	<p>AI608864, BE882359, AI276815, AW246964, BE167244, BF510305, AW803174, BF347900, AV730039, BE729640, BF901339, AI820995, BE160013, AV730996, AL079417, BE267487, H38939, BE254708, AV655302, AW250164, BE161049, AV731053, BG060193, AW820740, BF759523, H49265, AI080257, BE676761, BG058710, AI214337, AI422548, T59569, BG027937, AI792933, W16534, AW183705, BF896535, BF003015, BE391088, BF540735, AI140866, AA557683, AA514364, AU127055, AA974502, BF432048, AA664484, BE078401, AI769017, AU124681, AW951878, AL041839, X98425, AW857579,</p>

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HMKDM80	1428	608168	1 - 602	15 - 616	AW594744, BE550414, AW852531, AA760655, BE968744, AI888468, AV759675, BE158716, AV760469, BF991208, AW440256, BE089717, AW819125, BF678990, AW303008, AI049508, AI243798, AC006261, AL158196, AC018720, AL445248, AL121751, AC007225, AP001714, AC020904, AL035587, AC009087, AL136365, AL158830, AC025442, AL136984, AC009079, AF168787, AL157838, AC007597, AC004686, AP000359, AC012312, AL121583, AF312915, AL133453, AC004166, AP000512, AL121586, AC006241, AP000030, AC005280, AL080243, AC005015, AC003110, AL035454, AC005562, AL035458, AC008812, AC004867, AC005088, AF196972, AL031681, AC023510, AC010789, AC005519, AC066585, AP000032, AL096840, AL136170, AC006483, AC006064, AC069247, AP001717, AP002085, AC004659, AL022315, AL355499, AC008772, Z83840, AC006040, AC007899, AC021016, AC004929, AC002432, AC018663, AC006115, AC004551, AC010092, AC004828, AC006060, AC005488, AP000344, AC020906, AC007404, AL132765, AC007437, AC003029, AC005919, AC008521, AL022165, AC005874, AF134471, AL353748, AC004846, AL138756, AC006337, AC010458, AC004859, AC006014, AC021068, AL050318, AC004263, AC006139, AL049636, AC004797, AC005000, AC003043, AL158167, AC009953, AC010289, U95742, AL355392, AL023575, AC011442, AP001692, AL445568, AL050335, AC011484, AL133320, AC002072, AC005899, AC006452, AL034417, AL035495, AL158823, AF030453,

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HMKEG88	1429	634245	1 - 559	15 - 573	R20950, BF917040, AW867129, AC008537, AL031433, AL109931, AC008547, AC003991, AL139383, AC002487, AL136975, AL136359, AL390035, AL121577, AL160231, AC008537, AC008537, AC025769, AC025769, AC025769, and AC025769.
HMMAA09	1430	822859	1 - 1370	15 - 1384	AA705260, AV710761, AV760466, AV762645, AL138455, BF337291, AV759518, BE252421, AV760391, AL079645, AV762395, AW504485, AV760560, AV760389, AL042853, BF725761, AW502237, AV760395, BF311000, AU147104, AV763026, AV763058, AW474168, AI890324, AW975169, AW068596, AL042753, BF868994, AV760721, BG164617, BG029528, AI334443, T11828, AV761107, AW274349, AA487272, AV757607, AW269488, AI859946, AW819125, AW504224, AL079734, AI687343, AI207465, BE139139, AI284640, AW970940, AA515048, AW410354, AF330238, AI635440, AW962444, AW069769, AI863279, AI250552, AW162314, AV735495, AW327868, AL037632, AI251284, AI251203, AV740801, AI085242, AW021917, AW268300, BE882869, AI457397, AV756491, AI049709, AI431303, BF724699, BE138387, AI560085, AV758870, AI732151, BF342223, AV755593, AW963474, AI380617, AV742057, AW958945, AI284543, BE063437, AI890348, AI305547, AI755202, AA468244, AI066646, AA225406, AI281881, AA714011, BG249643, AL138265, BG059450, AI963720, AL079447, AA584862, Z95113, AC007707, AL162272, Z98304, AF111169, AC004826, AL133500, AL050307, AC007384, AL122020, AC004975, AC002994, AL138752, Z84466, Z94056, AL035067, AF224669, AJ006345, AC002430, AL121914, AC007383, AC009087, AC002546, AC005071, AL023803, AL021391, U91325, AC004996, AL034405, AJ295844, AC004837, AC006960, AC011555, AC012065, AL136172, AL034372, AC009953, AC005664, AC009134, AL035079, AC023510, AC020917, AL022162, AL049539, AP000032, AC003029, AL353706, AC025594, AC018797, AC007227, AL022147, AC007934, AL022163, AC000004, AL157931, AF196779, AL009181, AL359382, AP000031, AC004087, AL022721, U62317, Z84487, AC010412, AL033378, AC006547, AC020663, Z86090,

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HMMAK92	1431	610100	1 - 692	15 - 706	T41040, AA932538, BF873875, BF574124, AW511775, AV740060, AI284640, AV738722, AI358229, AI865364, AW086257, BE787738, BE139371, AW129001, AW274349, F29989, AW851028, AW074398, AW406755, AL138265, AW303196,

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HMMAL32	1432	562033	1 - 405	15 - 419	AW780122, AC010969, AC010969, AC062035, and AC062035.
HMMBD19	1433	607468	1 - 1011	15 - 1025	AI192452, T41189, AA091229, T40326, AW078528, AA089988, AL136164, AL133377, AL133377, AC073889, and AC073889.
HMMBF22	1434	780406	1 - 1376	15 - 1390	BF513651, AV702115, N46500, AW862969, BE175487, AV751370, AA290698, BF038925, BF105831, BF527911, AA449533, BG180163, BE175522, BF305272, BF805077, AA094107, BG256217, AA287603, H67800, AW888959, BG013534, AV748664, BF955370, BF810981, BF763529, BF740318, H54072, AW178257, C16835, AW366047, AA022991, AW381499, H80912, BF751396, BF806157, BE771826, AU117260, BF154510, BE939299, R20567, AI669247, AK025478, AL442073, AK001569, AK024384, AC018506, AC018506, AC018506, AC024056, AC024056, AC024056, AC023159, AC023159, and AC023058.
HMMBH91	1435	607472	1 - 769	15 - 783	AW974379, AI888926, AA484237, AA493246, AI476361, AA372426, AV758324, AW963594, AV741802, AV710948, AV757310, AV756776, AW850183, AA682376, BF308728, BG223164, BF675359, AL022336, AL139150, AL162872, AC007707, Z98747, AC007279, AL031666, AF011889, AC006017, AC018816, AL450431, AL139095, AL121653, AC004509, AC007619, U91321, AL023577, Z69667, AC010289, AC007537, AC006039, AL022326, AC004988, AC004531, AC005088, AC004651, AL049830, AC005291, AP000692, AC009247, AP000515, AL357499, AP001725, AC004626, AC010203, U91323, AL031280, AL133517, AL122003, AC002300, AC010180, X96421, AC002037, AC004048, AL035697, AC003667, AC015853, AL133395, U62317, Z98742, AC006040, AC024600, AL391260, AC003663, AL136528, AC006251, AL031681, AC004672, AL133396, AL359238, AC005018, AC007000, AL133244, Z85989, AL356244, Z99716, Z84469, AL133215, AC004408, AC002456, AC004838, AC010526, AC002306, AC011895, AF070718, AC022137, AC006600, U91318, AL110115, AL031906, AC007110, AC006057, AP000525, AC007653, AC007687, AC003037, AC007383, AL158830, AC008806, AC007690, AC004974, AL049653, AP000501, L44140, AC007324, AC020663, AC004849, Z82188, AF238465, Z82246, AL033529, Z98751, AL138716, AL117381, AF067122, AL136990, U65590, AB014085, AC004501, AC004262, and AC004187.
HMMBH94	1436	607463	1 - 895	15 - 909	AV756663, AL036896, AI479148, AL041924, AI753904, AI568376, BG110480, AA595661,

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HMMBK55	1437	608179	1 - 752	15 - 766	AL041924, AW148964, AI124660, AW021399, AA577706, AV756491, BF843155, BE063437, AI133029, AA601333, BE140949, AA634071, BF814446, AL031670, AL353807, AL132713, AP001694, AL109797, AL049780, AL080243, AL050335, AC002310, AC005911, AL033529, Z93244, L35532, AL133545, AL031602, AC011462, AL049776, AC006255, AL139099, AC004491, AC008040, AL139039, AF001549, AL136228, AC008569, U91318, AL159997, AL121886, AL136179, AL121997, AJ009616, AC007546, AC002425, AC010271, AC009086, AC005288, AL022721, AL121601, AF207550, AC009032, AL161670, AL034380, AL117381, AL035072, AP001610, AF243527, AC011479, AF168787, AC006449, AP001715, AC005839, U47924, AC008521, AJ295844, AL109627, AL109804, AL133448, AL096840, AC005080, AL049757, AL133353, AC002300, AL031727, AC008155, AC005484, AC008753, AL008710, AL359846, AL035086, AL096701, AL161936, AP000107, AC018751, U91323, AC008812, AC011475, AC009244,

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HMMBQ31	1438	609882	1 - 698	15 - 712	BF431899, H01109, AA978068, AV699607, AV700089, AV700263, AV699618, and AV699611.
HMMBR63	1439	607831	1 - 666	15 - 680	AW979298, AI884542, AW071090, AA995047, AA837685, AA828371, AI028039, AI559187, AA522650, BF791337, BE671416, AA454072, AA404384, AA847410, AA904539, AI950984, BE172597, AI469764, AI889191, BG180788, AW058275, AL514819, AL514803, AL514047, BG167830, AI539260, AI815232, AI866691, AI801325, AI500523, BF812438, AI538850, BE885490, AI887775, AI582932, AI590043, AI284517, AI923989, AI872423, AI500706, AI491776, AI445237, BF811804, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AI285417, AW151974, AI623302, AI539800, AI582912, AI284509, AW172723, AI538885, AI889168, AI440263, AI927233, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AL515375, AI371251, AI888118, AI285439, AI859991, AI436429, AI355779, AI623736, AI889147, AW194509, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AL047422, AI866786, AI567971, AI860003, AI610557, AI431316, AI242736, AI828574, AI887499, AW151979, AI539781, AI431238, AI539707, AI702065, AI885949, AI285419, AI559957, AW089557, AI521571, BG114012, AI469775, BF032404, AI866581, AI567953, AL047398, AW074057, AI815150, AI446495, AI952433, AI867068, AI225248, AI358271, BE962698, AI282249, AI698352, AI924051, AI371229, AI872315, AI798359, AI932620, BG035653, AL514773, AI610357, AI371237, AI866465, AL039287, AL045453, BE908335, BG259587, BE883591, AV736134, AI474699, AW129310, AL514701, AW151970,

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HMMBS55	1440	664493	1 - 990	15 - 1004	AW836519.
HMMBT47	1441	804594	1 - 1291	15 - 1305	AA228349, AW270255, AA447247, BE967607, BF901147, BF934340, AI890283, AA084439, BF802714, H17622, AI679294, AW969743, AA584862, AW979295, AA488419, AW970856, AW502688, AA227167, AI799569, AL133768, AW975410, AA421536, R53536, R60707, AI274480, AW162662, AA228338, AW971953, AI309059, H53109, AW975210, AA496369, BF739035, BF841981, BF868994, AC007597, AC005067, AC007249, AC008784, AC004856, AP000212, AP000134, AC013436, AC011742, AC006441, AC009756, AC016025, AC015550, AC005755, AP001711, AC004983, AC008044, Z84466, AL034402, AL353807, AC006332, AC018738, AL049712, AC004382, AK000182, AC004965, AC005695, AC005776, AC020955, AC004560, AL354864, AC005484, AL121601, AL035423, AP001748, AC007845, AC005180, AC004254, AC010326, AL132825, AC003070, AL096701, AC004975, AP001630, AL135839, AC008770, AC008760, L78810, AC002477, AC006241, AL121747, AC011491, AP000688, AF275948, AL034372, AC006946, AC004832, AC009247, AC020550, AC007151, AL024507, AL121905, AC009060, AC018642, AC005730, AC004476, AC011489, AL135911, AC004531, Z83844, AP000252, M55987, AC003098, AP001745, AL137818, Z74617, AC018663, AC004859, AL023553, AL050404, AC005871, AC006255, AL034429, AL109935, AL022149, Z85996, AC002300, AC008736, AL139184, AC004882, AC011456, AL163280, AC006960, AC020904, U85195, AC021016, AL133387, AC008969, AC005529, AC018719, AL358777, AC011495, AC020913, AL137162, AC027319, AC004650, AC005103, AC007201, AL356299, AF047825, AC005037, AC004662, AP000502, AC004166, Z98200, AC083866, AC011452, AC009228, AE000658, AC008738, AC005288, AL162430,

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HMMCD35	1442	607840	1 - 799	15 - 813	AA225888, AA225887, AL139195, AL139195, and AL139195.
HMMCD95	1443	603202	1 - 1680	15 - 1694	AI821062, BG029528, AA659232, AA662117, AA129746, AI658929, AI440117, BE252421, T87918, AA470486, N25074, BE061322, BG165297, AV763460, BG164617, AW995665, AV687035, AI536552, AA550768, AA572953, AL139099, AC004685, AL353587, AF001549, AL356103, AC069539, AL079342, AL117334, AC005332, AC004965, AC018738, AC010605, AC003003, AC005886, AC007298, AC004846, AC005562, AL133387, AL358777, AC007383, Z98036, AC025435, AC020898, AC005670, AC007637, Z82190, AP001727, AC005726, AC016969, AL133284, AC008115, Z95331, AL031120, AC009087, AL121901, AC000025, AC021068, AC004854, AL159980, AC005036, AC011450, AL133353, AC009228, AC004824, AL117337, AC000052, AC010326, AL022165, AL034548, AC003101, AP001709,

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HMPAB26	1444	580854	1 - 851	15 - 865	BE645116, BF969862, AI796745, AW976583, AI832217, AA890728, AI384130, AI784578, AI539866, AI422699, AW136381, BG121783, AI203643, AI471768, AI017530, AA527472, AA993249, AA745641, AI338585, AI264871, AW518640, AA285065, AI219605, BE042899, AA811130, N22854, BE869549, AA838679, AA975188, AA290955, AA362171, AA150833, AA304222, AA194018, R37937, AA626776, BE780347, U84388, and U79115.
HMPAP48	1445	823359	1 - 323	15 - 337	AL135489, AL135458, BE294104, BE409022, BF025989, BE391987, AW411094, BF313791, BE251775, AL110334, BE559736, BE390953, BE251910, BF219816, AW976185, BE296908, BE272331, BE386464, BE791428, BE260709, BE271887, BF314269, BE514358, BE410935, BE254941, BF027065, BE740832, BF304631, BE561437, BE746318, BF027369, BE747731, BF686608, AI494405, and AA757608.
HMQAI38	1446	589964	1 - 1763	15 - 1777	BG236136, AI637880, AI652725, AI337038, AW059912, AC000403, L38281, AC000403, and AL136440.
HMQAT69	1447	799551	1 - 1926	15 - 1940	BE645756, AW340556, AV706150, BF447988, AW939266, BF063520, AW117348, AA455005, AW965423, BF196365, BF195599, AV686816, BE550046, AW732392, AA455006, BF813151, BE729756, AW997070, BE910219, BE389426, AI761806, AA243715, AW025779, AA313675, AI923534, AI924532, AI206307, AI763370, BF940112, AI539326, AI767598, AI253256, AA565081, AI435995, AI283416, N95433, AW026742, BG005364, R72505, AW072090, W24045, AA085510, AA233068, AW297834, AI858521, C18399, AA810102, AI244405, AA767867, H17597, AA806189, N46194, BG032171, H64704, D78782, AI018272, AI500546, BE465862, AA644147, AI221092, AI758482, AI702245, AI420462, AI380471, BF126060, AA334349, AA972901, W40395, AI693971, AA366158, AW207304, AI804494, AI478802, AW628501, AW338161, BG117628, AA371061, AA775964, AA370703, AW748947, AW748948, BF094518,

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HMQBL90	1448	600363	1 - 1455	15 - 1469	BF084805, BG057829, BG058604, AI932613, AW898076, AW898081, AA398569, AA788590, AA861318, AI814782, AA724649, AV724562, AV724907, W58634, AA844078, W73790, W58491, AW070274, AV722201, AA969353, AI003578, AI886518, H99194, AV722730, AV722686, AV722731, AA855163, AA658186, BE328264, AW001995, AI203922, AI635438, AI055891, AW390545, BG259298, R91962, AI888467, AA847784, AW575358, AI620843, AI963421, AA887312, AI573110, BF974797, AV708819, H18423, AI435293, AW574906, AI476094, AI923193, AV688454, AW276248, AW574942, AI141674, AV702946, BE940533, AI066510, AA528064, AA293707, AI698661, AI811759, AI799354, AW575295, AI434507, AI687371, AW575353, AA745663, AI371776, AA634203, AI634404, AI459824, BE706891, AA809080, AI570862, AW575391, AA421322, AI625973, AI660702, AA421337, AW959121, BE695887, AA628022, AA588598, AI821461, AA903960, AA565220, AA808888, AW250046, AI478690, AI660658, AI802745, AI749760, AI445453, AI679750, AI921033, AA715496, AI141708, AW167611, AI920934, AI589372, AI979154, BE348983, AI150921, AA541663, N56983, AA558653, AA621960, AA603214, AI832708, AI584008, AI432525, AI445754, AI799280, AI719062, AI718405, AA291427, AI735028, AA588732, AI597760, AA714065, AI926579, AA428975, AI719334, AI749966, AI732322, AI668562, AI523511, AI635152, AA743973, AA835350, AI683293, AI735172, AI813613, AI636345, AW001369, AI735345, N24477, AA994436, AW026804, AI568288, AA864302, AA595896, AW468690, BE706342, AI630865, AI669062, AW406019, AW084029, AA845187, AI571482, AI263306, AV651267, AA634210, AI523289, AA742810, AI567878, AW001545, AA808913, AA602531, AI538932, AV691558, AA661637, AW853007, BE939350, AI537755, AA507478, AA847755, AA663930, AI718640, AA610306, AI431690, AI453350, AI445872, AA405195, AA527670, AI569908, AI146649, AI571851, AA650622, AA713747, AA904302, AI601150, AW083862, AI721065, AA744433, AA744039, AI494206, AI493639, BF436639,

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HMQBV82	1449	826522	1 - 999	15 - 1013	<p>AW340636, AW340558, BF928884, BE175775, BE175645, AI125899, AI951293, BE767741, AA029926, BF843882, AI399902, H23094, BE697113, W93351, T06851, BE045743, AI940796, BF984651, AA280720, AI591375, AI053911, BE674920, BE093351, AI733856, AL043718, AW270360, AA828062, AA745507, AA280309, AC002072, AC005291, AC005071, AC011497, AC004622, AC005081, AF001549, AL021453, AL139188, AL442167, AL163285, AC009530, AL034402, AC008519, AL109743, AC005209, AC006480, AL049539, AC005837, AC008395, AL109984, AC004089, AL163279, AC005907, AL021154, AC004166, AC008403, AC011895, AL359916, AC005015, AC006285, AC016025, U07562, AP000426, AC005666, Z82190, AL121949, AL162430, AC002553, AC007055, AL031296, Z95116, AC007285, AL354864, AC008747, AC007384, AC004707, AC004896, AC007917, AL022333, AC002430, AC005041, AP000344, AL354720, AL031577, AL117352, AL024507,</p>

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HMQCL80	1452	603387	1 - 629	15 - 643	AV687035, AA805739, AL080011, BE393551, AV707510, AW409775, BE876652, BE393784, BE909521, AI699154, AV654395, AI671661, BF814429, AI364220, AI611743, AI953765, AV647686, BE091470, BF817746, BF816041, BF913615, AW083804, AI951222, BF816031, AI050666, BF913569, AI677797, AI285417, N74355, AI632981, AW020455, BF947607, AI289077, BE879516, AA493923, AW079334, AV704836,

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HMQCX41	1453	603388	1 - 594	15 - 608	AA483006, BE439867, AI648558, AV726545, AI476089, AW440976, AW236342, AI284640, AW836490, BF899983, BE787738, BE933711, BF922659, AI904894, AL046205, AW361583, AA483034, AA340003, AA077817, BF915008, AV752696, BF926380, BF942942, AW873225, AI291124, BG236735, BF832548, AW467340, AW419262, AI291268, BE872393, AW069277, AI537030, AW630298, BE165532, AA745410, BF089507, AW029038, BE042475, AW467362, AA745582, AV681599, AI962050, AI205126, BF887156, AI246796, BE617809, AW301818, AI053816, BF954967, F25867, BF965007, BF897810, AA601892, F36273, BF690055, AI446464, AA598586, AA649642, AA441788, AA652057, AW407578, BF940837, BF094375, AA229785, AI307426, BF217299, AI918421, AI469003, AA744074, AA744088, AA745355, BF036387, AW849380, AW849378, AW470037, BF769371, AI148446, AA095511, AI865364, AI917271, BE049088, BG249643, BE779948, AI732186, AV715162, AA365302, BF901789, AA515051, AV703137, AV701499, AV732919, AV706025, AI251002, N71724, BF851403, AI679782, BE389903, BF131362, BF248297, BF825343, AW088058, AW166815, AA605274, AI471481, AA713815, AI929531, AW962181, AW962217, AW955169, AW502975, BF869171, AA558269, BF737170, AI053672, AW022379, BF678323, AW963497, AU144500, AA843450, AI653886, AU145462, AV728928, BF982266, AV699574, AA587604, AI921188, BE293796, AI054246, BE873018, BE869857, AA572975, AI133164, BE908796, AW162049, BF974572, AI830390, AI709365, BF875257, BG104686, BF848354, AI286264, AI469172, AW474160, BG058664, AI824562, BE049095, AW406162, AV719316, AV719311, BF831987, AI064864, BF831846, F32705, AW969694, AI334443, AW962044, BF841882, AL135405, AW969698, BE138507, BF833053, AW338869, BF902602, AV700774, AW972871, AA837351, AU158588, AU120185, BE771854, AW406447, AW794809, AI281903, BF920045, AI564185, BF920446, BF767457, BF822429, AI049722, BF917533, AA350859, AA491762,

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HMQDM09	1454	664494	1 - 1263	15 - 1277	AL528640, BE737226, BE796911, BE902486, AL528639, BE894876, BE893903, BG168772, BG164057, BE887650, AW965124, BG167773, BE561001, BF316471, BF032524, BF684159, BF032556, BE887360, BE731952, AA425601, BG164792, BE729171, BE156051, BF975955, AA889946, AA187026, AA149777, AA149727, AI563991, BE385018, AA896979, W92110, W91981, AI924891, BF131170, AA131098, BF360519, AW795200, AI554685, AA677678, BE969703, AA313529, N28846, AA425448, BE733668, AI089390, N30738, AA915996, AA807879, AI151239, AW769122, AA588770, BE742432, AI129561, AA704295, AI183441, N32973, AW081828, AA829291, AI027490, AI572901, AI273343, AA449341, AA131034, AI129489, AI002029, AA403068, AA044045, AA676207, AW674185, AI262329, AV653651, AA043989, BF382940, AI348922, BE792754, AA027935, H53006, N56050, AA449599, AI084724, AI000723, AW768470, AW957973, AW050842, BG166852, AW149650, BF748252, BF902556, AA934741, AA878597, AW297254, W07123, AA687508, H92301, N77959, AI863951, AA295126, AI359266, AA341056, AI280752, AA622577, AI445176, AA047174, AA635807, R70647, AW964261, AI474449, AA366234, R01089, AI418880, BE302917, W88630, H92352, R37209, AI245224, F21436, AA339055, BE971167, AA301828, AA057045, AI675337, AA366512, AI708188, W88629, AW207903, R01817, AA340649, AA188374, H53007, F25426, T40192, AI219147, AW803905, AI370519, F06271, BE729078, R92824, BE888425, AA487735, AW132117, AW024867, AA588632, AA487518, AW856109, BF898720, AA344613, AI908984, AI880108, AI040809, AA378732, BF901731, N44618, R70540, AA933841, Z39164, BE747545, AW900908, AI000874, BF755861, T72433, AA740960, AA053161, C01941, BF902877, AF166124, AK026128, AF187272, AX013753, AC005363, AL499629, AF161388, AC011445, AF195142, AC005606,

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HMQDU07	1455	603180	1 - 1968	15 - 1982	BG059096, AA907252, BG059219, H90217, AW057911, H90218, H90873, H90872, BE154623, BE154641, H06620, H11536, AC006546, AC006545, AL121883, AC022215, Z82254, Z74620, AC079462, U40455, AC007254, AC025445, Z83313, AC017089, AC005002, AC004585, AL022578, AL137843, AL133249, AC025434, AL391666, AF165124, AC021887, U00684, AL023877, AC007068, AL139395, AL162414, AP000324, AP000168, AP000053, AP000121, AP001720, Z83827, AC005192, AC019175, AC019175, AC019175, AL356738, AL356738, AC027048, and AC027048.
HMSAP33	1456	731969	1 - 1586	15 - 1600	AV718260, AA632513, AI538433, AI419388, AW866226, AA015846, AA468022, AA468131, AW235497, AI751216, AW827120, AI284640, AL120933, AI873990, AV713243, AA521323, AW169151, AA521399, AA551503, AV729809, AL037040, AA482806, AI471887, AA581903, BE138466, AI084294, BF725504, AI027459, AA493695, AV760777, BE378770, AA501762, AA507824, AA634889, AV710066, BF902055, BF676536, AA610491, AW274349, AW173553, AA812281, BF245300, BE047640, AV739452, AW827240, AL119713, AW972222, BG150796, AV762535, AW303196, AI872020, AA908422, AV728425, AL042853, AI687343, BG059568, AW583108, AV733830, BG109996, AA828749, AL045053, AV759437, AI583283, AI932493, AA490183, AI270117, AV760042, BE253048, BF681649, AW023389, AI580250, BG060148, AL044000, AI797903, AA603185, AW301350, AI305766, AA372967, AW960545, AA531186, AW979031, AW327868, AW302903, AV764578, BF698510, AV762050, BF677892, BF337291, AV764307, AA478355, AA664909, AW502975, AA502866, AV755070, AW275510, AV738993, BF681576, AI939465, AA491831, AV761613, AV729881, AW270343, AW503256, AW853873, AW970871, AL038072, AW020340, AA857486, AV763354, BF130605, BF697673, AV761547, BF666395, AA769221, BF871137, AI873852, AI345157, BF673914, AA526536, AW472872, BE893169, AV762098, AW021735, AW264934, BG003382, AV725423, BF668217, AA935988, BF679304, AV733627, AF330238, AW089663, BG249643, AA687209, AA747070, BF347791, BF347740, AV703942, AI801482, AA661921, AI696962, AV745092, AI247199, AA584167, AA848134, AA548058, AI431303, AL120927, T41259, AV740801, BE159380,

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HMSAZ48	1457	877650	1 - 1804	15 - 1818	AA489184, AW968968, AI056279, AA489099, N52281, N72933, AL163279, AF064861, AL109925, AC021863, AC009311, AP001693, AF129408, AF129408, AF064861, and AF064861.
HMSBN18	1458	847405	1 - 1250	15 - 1264	BF987908, AV731652, AI242047, BG013985, AA418333, AI685396, AA211589, Z99365, AI750154, AA522450, AI285813, AI921634, AA434477, AI333397, AW970651, T67419, AI264351, AA179929, AI186846, AI274932, AA169800, AA216639, AA205463, AA206489, AA838754, AA223178, BE146091, AA703512, AI678027, AA169167, T89653, AA210851, AA506505, AW854574, AA837803, W02703, AA233457, N66779, W25656, AI144451, AA160532, AA196784, BG255562, AA219255, BF940575, AA573603, AA219599, BG236150, N27177, AA227445, AA227186, AA205505, AI360851, AI094704, AA205926, AW872570, AW593673, AW674105, AA807651, AA223472, AA213692, BE061531, BE675378, AA872467, BE061527, F10104, AW813774, H86776, AA223497, AI820789, BE536565, BE733329, AA535465, H38219, AI350114, H23607, AI262493, AA015818, BE061578, BE061530, BE061526, N90352, AW129244, H87778, BE061504, AA843865, AI052113, AA173762, AA227040, BE061575, T88944, AI709011, AA936323, AA205222, T53321, AI949977, AA017326, BE902611, BG260886, H54619, AW973146, AW796182, W05366, AI762542, AI280212, AI871419, AW896622, AA252138, AA832265, AA242847, AI567438, AA424458, BG058115, AA424412, AA401064, R47880, AA434396, AI821441, AI732265, AA890486, BF736442, BF900157, AW593679, AA346818, AA984688, BF028916, BE146078, AW874361, AW967555, AI858539, L13822, BE388701, N93216, BE278946, AA319772,

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HMSBS25	1459	826487	1 - 1352	15 - 1366	BF852946, AI364973, BE327702, BF445366, AW954540, AA324145, BF104796, H17157, AW959372, AW951170, AF105366, AF116242, AL117500, AF108831, U46128, A30438, I25947, L40401, AJ133038, and AR040601.
HMSBU14	1460	844443	1 - 2063	15 - 2077	AL532400, AW246964, AL532399, BG004210, BF969693, BE070274, AV706963, BF912196, AL041338, BE267487, AW864661, AU125072, AW859880, AW803174, AW513243, AA682198, BE070414, BF768619, AI697333, BE161049, BF768470, BF889241, AA017203, T59569, BE241666, AI401741, BE387954, AI820995, BF952657, BE167244, BE389705, BE936997, AI811541, BF931189, AA720727, BE387771, AI950387, AW168135, AA521181, BF759523, AV753409, AL079417, AA309932, BF957468, BE047430, BF918607, BE243895, AI673717, BF823335, AV730996, BG027937, AV731053, BE245344, BE244806, H24306, AA400059, BF030029, BF981353, T19299, BF734637, BF965196, AA974502, AI190764, AW090437, X98425, AV730039, AV731500, BF849973, R49972, BG029734, AW979107, W22220, BF883830, AA335355, AI805896, BE891007, AV655302, BE254708, AI963953, AW820740, R47878, BF797873, AV690294, AV730315, BF210053, BF025721, BF999294, AL353811, AC016652, AC005722, AC010352, AL161621, AC010389, AL121949, AC005576, AP000511, AB023048, AC004197, Z81365, AL160192, AC004833, AL136309, AC007632, AL121871, AF146367, AL160401, AF124523, AC006006, AP000362, AC016951, AF223391, AC008486, AC006459, AL441927, AC006222, AC020599, AL157718, AC005281,

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HMSBZ10	1461	610020	1 - 1979	15 - 1993	T40689, AC016397, AC010384, AL161724, AC016397, AC016397, AC016397, AC068063, AC068063, and AC068063.
HMSCB94	1462	847406	1 - 1918	15 - 1932	BE350772, AA812058, AW269504, BE897079, AW504485, AV757289,

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HMSCK12	1463	825475	1 - 1527	15 - 1541	AA746911, AI821768, AA410788, AW439810, AW769654, AA228778, AA828834, H47835, AW979295, AW575000, AI792112, BE154807, AA613594, AW328202, AW591304, AU147162, N57681, AA873573, AV762419, AW512269, AA176604, AC021016, AL139102, AP001725, AL133260, AL049795, AC005089, AC006208, AC004686, AL034380, AC005553, AL136979, AF111168, AC004674, AL121889, AL133387, AL138478, AC007314, AL121753, AC005412, AF280107, AC011495, AL121652, AL160175, AC012309, AC004130, Z99716, AC025594, AC007066, AF111169, AL121601, AC006026, Z98950, AP000509, AC004383, AP000010, AL352979, AL159977, AC005863, AC005086, AC004840, AC005531, AL035404, AL023807, AC007546, AR036572, U91328, AL353802, AL096791, AC008733, AL162390, AL121653, AC002404, AC002375, AC005771, AL135901, AC009194, AL163218, AC004009, AC007308, AF168787, AL133174, AC007262, AC007536, AC011445, AL132653, AP001728, AC002059, Z98200, AC005568, AP000701, AC006996, AL121903, AC008115, AF134726, AL157818, AC008474, AC004778, AC005535, AL024509, AL158141, AL162430, AC000026, AC011489, AL034423, AC008372, AC008745, AL121886, AL117381, AC008554, AC005038, AF031078, AC007160, AP001705, AL137802, AF215937, AC006974, AC004752, AL031577, AC002429, AC002470, AC020898, AL096701, AC005746, AL136980, U91326, AL049537, AF030876, AL022315, AL031657, AL392106, AL109865, AC002365, AC004966, AC005859, AL022326, AC020904, AC002551, AC008848, AP001727, U82828, AC004967, AC012442, AC008395, AC027319, AF053356, AL365315, AC004656, AC007098, AF023268, AC020912, AC087084, AL049553, AL356575, AL034429, AC005823, AL050335, AC005500, AC008813, AC008784, AP000346, AC007850, AC020908, AC027644, AC025593, AP001689, AC023105, AC007537, AC006211, AC006571, AC005484, AC010311, AL109804, AC005911, AL080243, AC024070, AC007731, AC004166,

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HMSCP63	1464	665517	1 - 920	15 - 934	AW959372, AW951170, U61375, U46128, A30438, I25947, L40401, and AR040601.
HMSCV75	1465	838530	1 - 1611	15 - 1625	BE440005, T06598, BF973489, AW151925, AW575909, AA708322, AC007383, AL133448, AC008372, AL049709, AP001725, AL031588, AL353812, AL161937, AL355385, AL133454, AL162424, AL050341, AC002404, AP000563, AF168787, AC011455, AP001721, U52111, AP000133, AC003957, AL135978, AC000353, and AL078461.
HMSCV85	1466	858776	1 - 2114	15 - 2128	BF663610, BF662899, AI741232, AA889099, AI424919, AW002031, AW296687, AI287826, BE070357, BG005627, AW959372, AW951170, AF110907, A30438, U46128, I25947, L40401, AJ133038, AR040601, AL132801, and AL132801.
HMSCW44	1467	716249	1 - 1295	15 - 1309	H58300, AA515728, AI813849, AA650068, AA584484, AW962006, AA773463, BE000614, AA642809, AA714011, AV738383, AA595661, AV758903, BG026977, AV762982, AA808875, AV762979, AA828637, AA904211, AA618263, AW962942, AV760915, AA282951, AI962030, AI744830, AW023111, BF991881, AA487475, AV762430, AA535216, AW502237, BF854170, AI923052, AA515351, BF991882, AA502207, AV763026, AV763058, AI380617, AA452887, AL079734, AW575605, BE062476, AA654778, AA534064, AA659608, AA602906, N39953, AA714288, AA651632, AA811741, AA948670, BE396138, AW504224, AA128511, AA488689, AA070899, AA714110, AI537995, AV706945, AI130709, AI583448, BE393507, AA503298, AW778780, AA579427, AI536858, AA533176, AI056177, AA715706, AV762033, AV649853, AA657835, AA468322, AW275432, AA115863, AA541532, AL079869, AI252880, T40799, AW272640, AA581247, AA557982, BF724699, AA410788, AA515048, R64640, AA613624, AI192440, AI801505, AI859438, AA489240, AV655282, AA228778, AA595770, T41132, AA640710, AA701080, AI499954, AA584482, AU144234, AI687343, AA708322, T57767,

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HMSCZ19	1468	847408	1 - 1672	15 - 1686	BG113995, BG250501, AV709144, BE394750, BE962896, BE613347, AL523097, BE620685, AW955267, BE394608, AW247322, BE300196, BE780258, BE790295, BE264332, BE542823, BE388181, BE549444, AI754431, BE540552, BE965102, AF009767, AV682123, BE866647, AW247461, AL530183, BE537921, W28140, BE299880, BE205767, AA488410, BE207938, AU129652, BE383180, BF002756, T51930, BF312372, BE797871, W67716, BF742188, AA488546, BE271822, AA430733, AA310580, AA306714, BE779364, AW733140, BE383607, AW250460, BF038695, BE965542, AA428359, BE902485, BE252607, AA789061, BF316256, AI985774, BE382615, AI630946, AA555244, BF313517, BE019170, BF943552, BE387649, R49492, BE620456, BF029965, AI351586, BE839804, BG116827, W68175, AI383123, BE252899, BE742581, BF835985, T51720, BF306105, BE783695, AA483161, BE779195, BF835995, AA613790, BF725218, T35761, AA029069, BG256400, AI206669, AW339421, AW503799, T03466, AA369496, AI832842, AU129245, AW247099, AA173041, H49261, AA814446, BE259364, AW579368, BE785206, BF083018, BF891210, AV764259, AI434695, AI733856, AW270258, AA828062, AW439555, AW833130, AA662976, AI537772, AW970877, BE145442, AA847702, BF984807, AW265090, BE208664, AV755677, AA706291, AA483606, BF217110, BF674098, BG260454, BF692524, AA838190, BG178784, BE788081, AA618452, AV760383, AA570740, AI040051, AV713127, BF915799, AA503298, BG169377, AV762979, AA847095, AV762741, BE156651, BE153243, AA776899, AW979295, T54600, AI002744, BF845125, AA833896, AA833875,

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HMSDI67	1469	827298	1 - 2139	15 - 2153	BF948847.
HMSDI79	1470	813514	1 - 1776	15 - 1790	BG107375, BE295624, AI123348, BE382497, AI417830, AI123698, BG167558, N53143, AI470030, BE383598, AI955224, R69639, AW000844, AW342077, AJ289820, AA534687, R12096, AW294198, D31326, AA345483, H17823, T15834, H17323, R17551, AA553685, N58577, AI248017, BE161820, AI220073, R42888, T26637, T85271, R36850, D31064, T99687, R69560, T34756, R39028, AI991788, AJ278554, AW605016, AW811593, AW951170, AW959372, AF131762, U46128, A30438, I25947, and L40401.
HMSDR28	1471	801948	1 - 1305	15 - 1319	BE542116, AW960263, AI273603, AA410287, AL120521, AW675048, AI569458, AI040513, AW674317, AA460838, AV686933, AI803916, AW607683, AI351471, AA721235, BE387734, AW406447, N70448, AI679294, AI679871, AU158864, AV700988, AV762220, AW973197, BF941382, BF887434, AW338417, R36891, AV700498, AA862227, BF913258, AW833862, AI923052, AA579179, AW088058, AV700545, AI821044, AA707849, AC002045, AC008805, AF001549, AL118520, AC026805, AC005519, AL078461, AL024509, AC083871, AC010458, AL139099, AC025593, AL121899, AL031848, AC005089, AL021578, AC002477, AL049761, Z98200, AC005081, AP000692, AC006111, AL132777, AL357752, AL034379, AC008753, AC004985, AF168787, AC000159, AC011449, AP000496, AF314058, AP001725, AC004166, AL139327, AL117382, AC012309, AP000512, AC011895, AL355392, AL021546, U62293, AC004702, AC002542, AC004962, U95742, AC004477, Z93017, AF196779, AC083866, AC004150, AL022476, AC005840, AC020629, AC005529, AL121890, AF067844, AL109825, AC009516, AC002039, AL049776, AC000353, AC011495, AB023051, AC003109, AC005411, AC004832, AL050335, AC005046, AC007386, AL096712, AC002350, AF196971, AC008126, AC018738, AC005972, AC007308, L78810, AC004890, AL008635, AL109984, AL136105, AC008736, AC007637, AL034380, AC020917, AC009044, AC007376, AL121652, AC005179, AC005921, AC004644, AL135924, AC020916, AL049542, AP001712, AC008626, AF111169, AC007688, AL136979, AC004878, AC004846, AL356299, AC005940, AL035587, AC005052, AC005080, AL033529, AC008155, AC002070, AL136300, AC005488, AC005200, U80017, AC005484, AC005020, AL133229, AC010205, AL137230, AL158815, Z93244, AP000558, AL109624, AC009155, AL035684,

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HMSFT25	1472	581069	1 - 1490	15 - 1504	Z36759, AU147901, F32135, AA244397, BF431765, H87252, AW190655, AC003101, AC007221, AL031682, AP000118, AP000165, AC007450, AL450169, AC021036, AP000512, AC008738, AP001719, AC004659, AL034349, AC004526, AP001730, AL139350, AC009223, AC005792, AC003108, AP001672, AL161907, AL133405, AC008896, AC005969, AC008551, AF241727, AC005736, AF111168, AL117333, AC006270, AC023478, AF200465, AC006515, AC007739, AP000115, AC034195, AC005295, AC006511, AP001717, AC005844, AC002079, AL137016, AL137818, AC008543, AC018720, AC004841, AL450226, AJ400877, AL023284, AL137039, AL031733, AL161630, AL163248, AP000080, AC007685, AC005488, AL049631, AC005838, AC004965, AP000018, AC007225, AL022336, AC005234, AC008155, AC004382, AC020917, and AC016171.
HMSFW52	1473	603177	1 - 1631	15 - 1645	AA309918, BF668217, AI963720, AI284640, AV740801, AW193295, AW513362, AI061334, AI350211, AL046409, AW193265, AA581903, AV760937, BF970654, AW500125, AW833862, BF918590, AI613280, AI431303, AA610491, AI818620, AV691147, AW502975, BF919090, AV764307, F36273, AW265393, AV763354, AL119691, AL041690, BE350475, BF677892, AI334443, AL044858, AV762139, AI471481, AW673241, AW265009, AW769399,

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HMSGT73	1474	737837	1 - 1452	15 - 1466	BF908945, AW959372, AW951170, Z97352, A30438, U46128, I25947, L40401, and AR040601.
HMSGU30	1475	847409	1 - 1814	15 - 1828	AV715833, AA769310, AI826460, BF790844, AU153650, AW166211, AU160375, AW292992, AA779447, AW418525, AI452519, AI823888, BE961037, AI684798, BF433538, AI655985, AW770982, N64369, AI276257, BF033751, AA435643, BF217285, AA639510, AI689818, AA394033, AU152276, AA393837, AA435651, AW772604, AA807639, D25894, D60974, AA286844, BE967276, BF763298, AA665974, AI702262, AI540258, BF361706, H26865, AU143256, BF672893, T24552, N41739, AK023226, AY007102, AK023074, AC006330, AC018797, AF224669, AC004167, AC020906, Z97054, AF111168, AC018720, AC006449, AL121655, AJ400877, AL138958, AC027319, AL121652, and AC006241.
HMSHB42	1476	792385	1 - 2732	15 - 2746	AL524994, AL524993, AU120661, AI968252, BF224044, BF589333, AW137680, AA001235, BF432090, BG260164, AI670966,

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HMSHB42	1477	600401	1 - 1493	15 - 1507	AI968252, AU137011, AW137680, BF963926, AU120661, AI689904, AI968636, AW518700, BF961657, AA524355, AI299554, AA349947, AL537876, AA361004, AA349948, AA081628, BE676959, AA361434, N45574, AA323861, AW514196, BF954238, BF924409, AW137315, BE327173, AI689806, BF224044, AL524994, AA360822, AI366951, BF670685, BE008356, AX002254, AX002258, AF249744, AK024340, AB046022, and AX002256.
HMSHN72	1478	855917	1 - 1583	15 - 1597	BF511160, BF061956, AI290708, BE858395, AW475063, AW103533, AI819652, BF059016, AI146394, AA047284, H84077, H62901, AW593754, H84071, AW083395, T54083, AA047145, H62935, AI356722, AI863749, AW877938, AA317138, N67583, D20382, BF886988, AI124103, BE834179, AW959372, AW951170, AW960162, AJ224864, AF161346, AF176991, AF020314, A30438, U46128, L40401, I25947, and AR040601.
HMSHT29	1479	825459	1 - 1280	15 - 1294	AA010477, AA703534, AA010260, AF158240, AW959372, AW951170, AL031120, U46128, A30438, I25947, L40401, AR040601, and AL031120.
HMSHW73	1480	704099	1 - 2270	15 - 2284	AW844363, AW844535, AA644090, T74524, AA661969, AA659232, AA515728, AA825827, AI669421, AA714011, AW501542, AA602906, AA084609, AA502207, AA714331, AA501461,

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HMSIC48	1481	825462	1 - 1381	15 - 1395	AL355675.
HMSII36	1482	825453	1 - 1215	15 - 1229	BF929871, AA657910, N73060, AA828911, BE005725, BF027764, AI280574, H57976, BF837325, AI561054, AA766193, BF798987, AI471455, BG254947, AI687343, AW009653, BF791923, AA904211, BF971214, AA721523, AA721530, T52786, AA297145, AU144320, BE002743, BF339977, BF971280, AF141325, AC003006, AC078847, AC005243, Z83826, AL118516, AC004596, AF243527, AF027390, U47924, U78027, AL035422, AC006965, AC007666, AC008848, AC003110, AF064866, AL139182, AC006536, AL109840, AL121747, AC007934, AL133174, AC010102, AC011465, AC010311, AL121891, AC006476, AC005971, U85195, AE000658, AL031848, AC011248, AL163249, Z93015, AC005190, AC007000, AF053356, AL163283, AC005844, AL135787, AL109825, AC004089, AL138743, AL121899, AP000248, AC004167, AC004671, AC000052, AC005015, Z82203, AC007157, AL049757, AL109976, AC004019, AJ295844, AL049570, AC008812, AC010271, AL049759, AC008747, AC009004, AC004463, AL121895, AL034405, AC002996, AL049636, AF327111, AC016601, AL137798, AC004150, AC008074, AC005291, AC004867, AL049780, AC007055, AP000557, AL034548, AL118520, AC005225, AC005236, AC011491, AC009511, AC006211, AC005412, AC004692, AL353678, AC007850, AL023881, AC007845, AC002492, AC009032, AC005048, AP001671, AC005098, AF254822, AC008482, Z84487, AL096767, AL161916, Z99943, AC018644, AC007298, AC006071, AL139100, AL109804, AC005066, AL138787, AC007066, U82828, AC011442, AL356747, AL159997, AC004593, AP001712, AC005972, AC010618, Z84474, AC007226, AC008008, AC008379, AC005233, AC002059, AC007637, AL050318, AL121906, AC004494, AC004224, AL078581, AL390738, AL136179, AC004991, AF205588,

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HMSIT42	1483	581070	1 - 1152	15 - 1166	AW976724, N51263, AI218381, AI370885, BF154921, AI354655, AI632991, AV654946, N67336, AA745257, AA814327, H02453, AV740801, AI284640, AI281881, BF668217, BE047069, AI350211, AU147800, AW419262, AA513141, AA720702, AA581903, AW028429, AI431303, AW131249, AI963720, AA491814, AW193265, AL046409, AA469451, F36273, AW472872, AA680243, AW731867, AW088846, AW833862, BE042649, AI635818, AW276827, BG032943, BF792954, AI499938, AW975987, BG249643, AI801600, AA178953, AA192740, AW975425, AI289067, AW502975, AV725627, BF851403, BF055844, AW406162, AW265393, AI144101, AW576391, AI613280, AV760937, AW265009, AI821271, AW303196, AW274349, AI564185, AI085719, AI732120, BF725504, AV728928, BF793766, BF965007, AA526787, AW276817, AI619997, AW301350, AW270270, AV763354, BE350475, AI149478, AW083364, BF915839, AA503258, AW083402, AI471543, BG059568, AV764307, AL043009, AI754955, AI305766, BF854876, AI696962, AI298710, AI928790, AW474299, BG058664, AV759382, AV728425, BF677892, AI358571, AV762558, AV762139, BF337291, BE160727, AW167372, AF330238, AW963497, BE206443, AI653886, BE389111, AI370074, AI370094, BF876961, BF756894, AA587604, AV722239, AW276435, AI148277, F28204, AV763540, AW438643, AV757607, AW072587, BF942454, AV691147, AW965008, AL046205, AA579063, AV731764, BF241967, AV764241, AW872676, AW338086, BF841869, AI445448, AW574794, AU158279, AI887483, AA577906, AV725423, C75026, AW247819, AW772780, AI375710, AW162489, BG178002, AW268973, AI732186, AA126051, AA126035, AI886629, AI754658, AI537955, BF915247, BE881336, BE908796, AV760486, AW974109, AV710066, AI590772, AW339568, AV762050, AV760774, AI270117, AW510513, AI963095, AV700812, AA806796, AI539563, AW500125, AI053623, AC005004, AC002379, AC005531, AC004854, AC005011, AC007685, AL136179, AC009506, AL080242, Z49235, AL050318, AC005076, AC008623, AC004971,

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HMSJB08	1484	877651	1 - 2361	15 - 2375	AA706818, AW963910, AI573185, AA582672, AI334217, BF826531, AA765938, AA307123, BF836586, BE929878, BF916048, AW963908, BF826604, AA862772, AI351962, AW793064, R01633, R01634, BF895963, AW949220, BE932567, BF833411, AA381661, AA381405, BF746704, AI471283, BG058283, AW605941, AW605944, AW009277, C21070, AC004685, and AR044136.
HMSJI69	1485	759982	1 - 1316	15 - 1330	AC073412, AC073412, AC073412, AC016754, AC016754, and AC016754.
HMSJM20	1486	747684	1 - 1456	15 - 1470	AI677839, AW904434, AA431624, BF111004, BE673221, BF958123, BF962191, BE173304, AA406111, AW182074, AA431337, AA911690, AI659348, BE858869, AW449084, AW003209, AW197429, AW959372, AW951170, AW960162, AK000229, U46128, A30438, I25947, L40401, AJ133038, AR040601, AC064801, AC064801, AP001584, and AP001584.
HMSJR44	1487	638098	1 - 1711	15 - 1725	AW853063, AW853134, AI866487, AV699423, BG105817, AU158859, BE740358, AL120343, BG028665, AV700654, AV760466, AW970856, AV759518, AV759356, AV760364, AV760391, AA680243, AV760560, AV760389, AV762022, AV733824, AV756348, AL046746, AI732120, AV759711, AV762902, AW973406, AV762900, AV762645, AV762001, AV707404, AL138455, AV763174, BF915799, AA984258, AV759683, AI114591, AV756220, AV762395, W96522, AL135698, AV762129, AV762779, AV761309, AV759686, AV760701, BG029528, AA504951, BF982222, AV759684, AL048626, BF877643, AU154050, AV759682, BE796439, BF901147, AW963982, BE252421, AL042377, BF965924, AV763135, N73314, AL138431, AU118745, AU144080, AV763971, AI821044, BF337291, AL138265, AA126635, AA760655, N23649, N27362, BF769185, AC008569, AP001710, AC005291, AL137009, AC004821, Z84469, AC008897, Z98884,

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HMSKQ91	1488	825450	1 - 889	15 - 903	BE082412, BE244473, AC024558, AC024558, AC024558, AC073439, and AC073439.
HMSKY45	1489	747708	1 - 1759	15 - 1773	BF434160, AI078305, H52420, H52421, BG033669, AW373516, AI675872, AW367495, AU129441, AW959372, AW960162, AB007963, AK001487, U46128, A30438, M60510, AC013593, and AC013593.
HMTAF92	1490	740784	1 - 2204	15 - 2218	AU142702, AL520885, AU119065, AL521572, BG261209, AL534353, AW069716, AU128570, AL521573, BG105210, AL520886, BE875026, BE550924, BF853725, AI421766, BF732464, AU145492, BE539381, AU159949, BF029537, D82449, BF223385, BF698848, AU150835, BF673691, BG171230, BE503404, AW470231, BE890380, AI291397, AW467585, AI400178, AA099579, AW076095, AA129508, AI525838, AA278525, AW207041, D82382, AA551897, AA234355, AA078970, AI924483, AW376421, BF108897, D82521, AA234409, N63218, AA398807, AA742273, BF062716, AA847286, AA779241, AA136558, H08387, R50903, R62326, AI362547, AI475456, AI001184, AA169336, BE164595, H08388, Z21167, AW300398, AI335561, AI536871, AA935853, R62325, W15176, AI934006, R50786, AA171920, AA508064, AI784070, R01160, AA758866, R40601, AA629859, T10839, AA079011, BE080252, R06895, BF437309, AI695842, R13122, AA090366, BE868268, H93896, D20361, H70501, AA400859, BE085643, BF057243, AI681965, AW295732, AI758675, BF222743, R06937, AA779157, AW582778, N78670, AA356128, BE551467, AI540236, AI126144, AW665698, R89794, AF077040, AK022931, and AF073344.
HMTAT36	1491	811885	1 - 1105	15 - 1119	AW959192, BF945237, BF816021, AW804037, AI240393, BE858477, AA233899, AI378406, AI334149, AI377537, AI373157, AI682218, AA917421, AW079532, BF095556, AI302603, AI275504, AA878927, BF095624, AA687886, AA989418, AI057286, AA358936, AW150835, AA359473, AI499788, AI300066, BF095734, AA991861, R00226, AW189691, AW879254, BE936719, BF960074, AI168696, AW879253, AW879257, AW392552, AW392555, AW014053, AW271265, AK025273, AK026918, AX035283, U06713, AC022969, and AL358340.

HMUAB93	1492	822909	1 - 1941	15 - 1955	AI547307, AI547306, AW978792, BF379356, AV728334, BE672676, BE219783, AW408403, AV727294, AI220289, AI675062, AW979293, AI565120, AI094751, BF108447, AA847397, BF196613, AA838099, AI654140, BF437620, AW366285, R92791, AA836331, N58363, N77731, AI090639, AI694458, N58354, BF085540, AL162584, AP001155, AP001155, AP001158, AP001158, AP001158, AP001321, AP001321, and AP001321.
HMUAD65	1493	809097	1 - 1514	15 - 1528	AI207424, AW575000, AL036896, AI679002, AW970571, AW969743, AI733856, AW069227, BF854308, BE139139, AI250552, AI284543, N40092, AI251284, AI251034, AI251203, AI254770, H86725, AW973541, AA502991, AV759632, AW303098, AI249853, AI792575, BF809041, AI669589, AV695478, BF916784, AI431513, AI989408, AU130337, AI634187, AI701053, AI569591, AI061313, AL047254, T47138, BF832074, AV723671, AI243793, AI369580, U85195, AE000658, AL022323, AL050349, AC020913, AC021016, AC006077, AC011465, AC005261, AC005071, AC004826, AL049776, AP001718, AL049760, AL050335, AC053467, AC004491, AC005844, AL031255, AC003041, AL049856, AC004253, AC011445, AC006039, AC003663, AC004883, AC019171, AC006487, AL121586, AC008474, AL138836, AL049569, M89651, AL157384, U91318, Z68276, AC020906, AL034380, AC005377, AL096870, AC005048, AJ009616, AL021154, AC009247, AC004876, AL353777, AC011450, AC008745, AC004805, AC005900, AL049636, AC005081, AC006000, AL137039, AJ011930, AC008569, AC004099, AC024075, AC005666, AF019413, AL035422, AL034429, AC007055, AL159997, AC000159, AL136305, AC008102, AC005225, AC011455, AC007546, AL158040, AL356299, AC004966, AC002073, AL034423, AP000967, AC008812, AL136179, Z93023, AC009032, Z85986, AL353807, AL137162, AC011495, AC009756, AC008264, AL031291, AC005778, AC008403, AP001717, AC027319, AC003684, AL109804, AL008718, AP001725, AC005722, U47924, AL163300, AC008537, AP000140, AC004583, AL117381, AC005940, AC011477, AL121897, AC084732, AL031584, Y14768, AL135744, AC011895, AF053356, AL031289, AC007404, U78027, D87675, AP001670, AL031670, AC004859, AF285442, AP000088, AC004840, AL132653, Z83846, AL138976, AC005971, AC009509, AC005484, AC010170, AC008623, AC004922, AC008738, AL021707, AC006433, AC005209, AL024498,

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HMUAT23	1494	897758	1 - 2055	15 - 2069	AU122714, BF971356, BE621492, BF673165, BG108177, BG260834, AI948512, AW957752, AI650848, AW205055, AW578907, AI565989, AI651953, AI701100, BF061864, BG107559, AW857785, BF694793, BF694841, BF094555, AI384087, BF672879, AW665046, AI417121, BF241564, AI148129, AW731708, AI492502, AI146344, AI920811, AI923718, AI368059, AW673560, AI798646, AI308171, AI862666, AA282333, BF244970, AI766803, BF575842, AI288945, AA905267, AA904735, AA400732, AW771308, AA442694, AI914082, AA132285, AA282069, AI890117, AA400457, AI458515, BE552265, AW515686, AI273524, BF693219, AW512006, AW242482, AI334601, AI422530, D59834, AA737494, AI475997, AA642305, AA354148, BE621719, C15272, AA305715, T92517, AA337575, AW105089, F25739, AW015501, R39716, AA337906, T91759, AW961108, AA132264, R36636, BE814466, T91753, AI572422, BF242596, AW576228, BF369286, AL514701, AI572892, AW087445, AI924971, AI434468, AI677796, BE544111, AI570781, AA093898, AW827206, AI280637, AI349004, AW268220, AI247193, AW827289,

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HMUBA47	1495	786380	1 - 1514	15 - 1528	U55978, BE620562, AV714112, AV715029, AI826285, BE547489, BG114512, AV726059, BF526434, AI308850, AW953622, BE966058, BF916453, BF433209, BE620134, AV712901, AW377472, AA776792, AI564793, AA150378, W60921, AW467428, AW519079, BE673967, AW026648, AI819057, BG180286, BE047614, AI925743, AA923274, AA744819, AA775715, AA157019, AA992084, AW071477, AA987691, AI829186, AI243210, AA150277, AI885258, AA969865, AA780713, W26120, AI092833, AA781935, AI359792,

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HMUBJ22	1496	824071	1 - 1737	15 - 1751	<p>AV724107, AV721683, AV686440, AV683043, AI472209, AV714187, AI128494, AW955616, N44784, AW516195, AA846525, AI924487, N35474, AV708748, BE538923, H12801, R70032, BE440201, W58562, AA330895, AV736839, BF245413, AV740098, AI220794, R76119, AA359093, R70079, W57813, R24406, R76176, AA377264, BE538116, H12758, D62600, AI582551, R24407, AW880875, W58563, AW886016, AA328446, W57830, AL514793, AI267376, AI583065, AW104724, AL513907, AI590227, AL515191, AI436644, AL513911, AI445025, AL513991, AI637584, AL514919, AA523183, AI433157, AL513807, BF812961, AL513763, AI613017, AL513553, AL515373, AI799199, AI636719, AI538716, AI499463, AL514473, AI499131, AI572787, BE966388, AI440239, AL515413, AI564719, AV733470, AI828731, AW198090, AW129170, AI475451, AL514691, AL513779, AW148320,</p>

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HMUBK53	1497	553624	1 - 738	15 - 752	BG031834, BE693244, AW370268, BF132507, AI458329, BF059569, AW294902, BF746237, AW025854, H10863, AW962306, R38928, BF746223, H46055, AA310748, H18795, AI018751, AI307545, AI917171,

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HMUBN24	1498	647633	1 - 615	15 - 629	AW877209, AL119324, AL119457, AL042544, AL119399, AL119319, AL119443, AW392670, BE695785, U46351, AL119418, AW804686, AW604723, AW858526, AW858525, AL134902, AL134920, AW861944, Z99396, AL119401, U46350, AL119497, U46347, AL037205, AL119484, AL119391, AL119464, AW363220, AW384394, AW861889, AW858455, BE705903, BE705906, AW577135, AW372827, U46349, AL119355, AL134536, AL119439, AL119363, AL119444, AL119483, AL119522, AL043019, AL134531, AW971745, BF868684, AL134525, U46346, AW604726, AL119341, U46341, BF868697, AL119335, BF868687, BE705905, AL134528, AH142139, AL134538, U46345, AL119396, BE705904, AL119496, AL042450, AW861954, AL042542, AL042614, AL042965, AL043033, AL042984, AL042975, AL043029, AL043003, AX030435, AR066494, AJ251859, AX046357, AR060234, AB026436, AJ279014, AR054110, A81671, and AR069079.
HMUBO15	1499	597434	1 - 795	15 - 809	AI056700, AW469151, AA044917, AA452691, AW469134, AI376420, AI693903, AW469145, AA045055, BE147483, BF692237, N75130, N47309, AI075353, AW269837, AV682441, AV723772, AL514791, BG108147, AV681872, AL513597, AV682289, BF724691, AL513907, BF795712, AL514803, BG058208, AI906328, AI349772, AV682809, AV710479, AV681951, AL119049, AV758592, AL514627, AW071349, AI815383, AW080838, AV682466, BE870827, AL515047, AV681857, AV758110, AW166645, AL513803, AL514473, AV756477, AV755581, BF054789, AL514935, AV733397, AV681668, BE047863, AV723204, AV682351, AI868831, BF673434, AV682266, AW827203, BF726322, AV706777, AL514087, AV682772, AV756703, AV711509, AV695052, AI207510, BE613622, AV723062, AV655645, AI907070, AW467961, AV682249, AL515041, AV758217, AI149592, BG108324, AV681630, AV682252, AV681858, BF968041, BG259801, AL515373, AL047042, AV755614, BE777769, AI349645, BE964812, AV682051, AV682479, AV682330, AI624859, AV704928, AV704350, AV726951, BG105099, AI220734, AV729890, AV757096, BG257535, AV681927, AV708119,

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HMUBX48	1500	847412	1 - 1194	15 - 1208	AA301409, AV705784, AL357559, Z83818, AC006524, AP000315, AP000118, AP000165, AL365444, AP001719, AC026736, AL137062, AF241728, AC022212, Z96050, Z94277, AL133480, U91321, AC019215, AC009429, AL357084, AL356962, AC002114, AL157779, AC010144, AL356954, AF152363, AL121867, AP000316, AL009179, and AL357559.
HMUBY57	1501	844800	1 - 2127	15 - 2141	AU118286, BE879301, AA936465, AA526392, AA434032, AA063608, AA102309, AA282240, AA158755, AA158754, H00732, R27305, R77058, R30904, AW338464, AW103939, AU144885, R76894, AA437393, R25219, R30858, AA670254, H89147, AA036691, AI733856, AW514006, BE063437, AA601278, AA644090, AW969743, AL040054, AA714011, AA570740, AA483606,

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HMUBZ15	1502	609837	1 - 1104	15 - 1118	AL535039, BE799728, BF663280, BF339179, BF343045, BF530671, AV721081, BF971384, BF683148, AW474330, BE409067, AL535040, AV722779, AI283800, AW149668, BF686613, AI860217, AW027094, BE886054, AW732961, AI936951, AI336303, BF125402, AW439805, BG170987, AW027190, AI197869, BF125262, BG025610, AI284344, BE786959, AW008214, BE221232, BE385865, AV706289, AA789235, BE896455, BE257107, AI186305, AI378289, AV707931, AI203616, AA887213, AA476807, BF436333, AA868421, AA916732, AA428906, BG232028, AI348222, AI150490, AA866103, AI674966, AA988120, BE787718, BF681669, AI130947, AI362761, AA853971, AI361595, BF125477, AW005120, AI050804, AW957325, AW005133, BG054993, AI499919, AI423102, AI269322, AI369203, AW050643, AI859185, AI342991, AW327316, AI817443, W57577, AA443755, AI085861, AA918064, AA991340, N27626, AA443932, AW327641, AA709163, AW026278, AV722647, AA400009, H15836, AA236967, AI355244, AA401545, AA594554, AI270425, BG111063, N24578, AI150248, F24928, AA236757, AA907148, AA446742, AI214675, BF946449, R87663, AA612918, F24080, D81230, AA639434, H16144, AA534495, R84301, AA470640, BF743430, D81472, D61550, BF743432, AI004309, AW884251, AA444111, AA432057, H18497, AA353312, BG031849, H42207, AA121438, AA016220, AA122142, N67664, AA641952, BF956084, AA862880, BE938594, W01132, H42278, AA535750, AA687168, AA743372, BF733183, AA641901, AA683134, AI559370, AI685568, T55917, AA743753, AW006728, AW368581, AI000097, AA352367, BG150889, AA970583, N33784, T80723, AI214946, BF948730, AW883936, BF913692, BE175131, AA070958, BF476965, AA070957, AW878110, BF734818, AA436721, AA748138, AW878272, AI198093, AW883770, AW883134, AA552562, AW882689, AW882796, AW883204, BE709136, AW837664, AI655163, AW991816, BF093483, AW882469, R71947, AV682559, N63128, BF886638, AX040114, L39210, AL049955, AF116688, and U37359.

HMVAL15	1503	822860	1 - 1755	15 - 1769	AL532322, AI675878, AW341501, AI744283, AA452192, AW243091, AA526843, BG256627, AW960666, AW471419, BE675364, BG150540, AI204693, AI581307, AI581319, AI479065, W74491, AW578538, AA181817, AW236338, AI760677, AI245444, AI373631, AA235374, AA663494, AI650280, AA651837, BE897888, AW275388, BE677550, BE672219, AI079402, AA827213, BF879079, AI243285, BF432313, W01836, AA662500, AI241075, AI480412, N70781, AA352600, AA772019, BE938146, R36379, W01811, BE938154, BE395093, BE938131, BE006138, D20817, BF948990, AI915083, AA316858, BG000999, AW388065, W74550, AW367590, R36005, BE938313, AW002674, AI887127, AW388100, AA352250, N75367, BE707177, AA315547, AA279245, AA279205, BE707188, AA593115, BF869098, AL050160, Y11997, AC005785, AL136170, AC008115, AC004985, AC005006, AC010458, AL109984, AC005785, and AC005785.
HMVBC84	1504	743191	1 - 1135	15 - 1149	AI933486, AV700657, AA506744, AW301855, AI921744, F10773, AL042310, AA513931, BF927836, AV739290, AA218835, AA058829, AW439703, AA654874, AA077247, AV720115, AW419227, N91222, AA078469, AW440522, AA640563, AA225629, BG016049, AA991640, AA225497, AA524846, BE152120, AI884404, AA380695, AA362440, AV719319, AI002863, AI439840, AI365618, AA226382, AI732096, C15811, AI732139, AC005104, U91326, AL022320, AL445483, AL133387, AC004921, AC004961, AF111168, AC074331, AC005288, AC009079, AC004223, L78833, AC011462, AL024507, AC008556, AC005565, AL109935, AL109657, AL356299, AL023803, AL117328, AC007676, AP000214, AC006511, AP000106, AP000038, AC002312, AL356020, AC007536, AF254822, AL353807, AC000003, AP001716, AC009244, AC011442, AL117258, AL009172, AL021453, Z83840, AL049829, L44140, AC005534, AL035423, AL031286, AL033521, AC005071, AC011450, AP001714, AC010422, U91321, AL139353, AC004996, AL158141, AL049747, AP000354, AC003664, AL031906, AC004695, AL158830, AC007226, AC020934, AC009305, AL158832, AC034242, AC007546, AC003963, AL020997, AL136382, AC010363, AL050349, AC007240, AF132033, AF003626, AC004227, AC011480, AL049840, U62317, AC002377, AC027319, AC004383, AC005102, AC004656, AC005787, U63721, AL136087, AC005800, AC000379, AP001753, AC005695, AL035086, AL034379, AC022201, AL139100, AL121903, AL050335,

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HMVBD68	1505	831130	1 - 1267	15 - 1281	BE885169, AW970061, BF439457, AW575699, AW468388, BG116413, BG170032, AW083378, AA057509, AI679190, AV727466, AA574451, AA599718, AA054285, AA706513, AI707934, AW023524, BE142955, R66161, AA199863, AA862725, R84843, BF247952, R85715, AW973101, AW975244, AW979090, H86142, AW975971, AW627831, AL038837, H86028, AW979076, AL039074, AW975143, AW971975, AW975166, AL039564, AL039108, AW972154, AL039156, AW979228, AL039085, AW969930, AL039659, AW979176, AW975941, AL039625, AL039648, AW970540, AL039678, AW973762, AL039150, AW975022, AW971953, AA059178, AL037051, AL036725, AW975626, AL039629, AW971954, AL134524, H00069, AW974379, AL039109, AW973821, AW975981, AW970108, AW972296, AL038531, AL039128, AW968147, AW969748, AW970969, AW979212, AW979147, AW976024, AW971968, AW969885, AW973789, AL040992, AL045337, AL037726, AW970587, AW975434, AW975650, AW968212,

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HMVCG17	1506	846161	1 - 1135	15 - 1149	AL515859, AL515858, BG027749, AI016577, AI718010, AA481439, AA507043, AW971230, AI288835, AA515030,

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HMVCS92	1507	842832	1 - 1855	15 - 1869	AW967034, BG033294, AV719570, AV719571, AA702187, AI698188, AV719556, AA677446, AI697934, AI186066, AV658194, AV658195, AA683125, W56135, AA807676, AW451220, AW167250, AI382915, AA402145, AI264803, AA707609, AW900401, AA411797, BF849286, BE717321, H94502, BE348839, R31321, R41088, AI381037, R31580, AA317036, AA836406, AW386139, BE815207, AV658196, BF747205, H94586, BE717326, AA747095, AW205249, BE717385, N39047, AC024558, AC024558, and AC024558.
HMVCS92	1508	846141	1 - 1853	15 - 1867	AW967034, BG033294, AV719570, AV719571, AA702187, AI698188, AV719556, AA677446, AV658194, AI697934, AI186066, AV658195, BF849286, AA683125, W56135, AW451220, AA807676, AW167250, AI382915, AA402145, AI264803, AA707609, AW900401, AA411797, BE717321, H94502, BE348839, R31321, R41088, AI381037,

					R31580, AA317036, AA836406, AV658196, AW386139, BE815207, BF747205, H94586, BE717326, AA747095, AW205249, BE717385, N39047, AC024558, AC024558, and AC024558.
HMVDB45	1509	852147	1 - 1142	15 - 1156	AA789222, BF477716, BE670496, BE504572, AI078226, AI916316, BF477883, AI078329, BF445344, N40438, R56795, AI921527, AI049802, AW014004, AI912925, N40477, H08794, R94187, F10745, Z39046, F02402, F02419, AW877209, AL119324, AL119457, AL134524, AL119399, AL042544, AW861944, AW804686, AW372827, AW604723, AW392670, AW969825, BE695785, AW858526, AW970959, AW975961, AW858525, AW970927, BE705903, BE705906, AW577135, AW384394, AW861889, AW858455, AL119497, AW973166, AW973957, AW363220, AL042965, Z99396, U46341, AL119319, BE705905, BF868697, AL119484, AL119391, AL119355, AL119396, AL119341, AW604726, BF868687, BF868684, AL119363, AL119443, BE705904, AW861954, AL134533, AW979151, U46347, AL119522, AL119483, AL119335, AL119496, AW974977, U46351, AL134920, U46349, U46350, AL042614, AL119418, AW971420, AL119444, U46346, AW971745, AL134531, AL042975, AL119439, AL037205, AI142139, AI142132, BF868696, AC020629, AR066494, AR069079, and AX030435.
HMVDJ71	1510	863508	1 - 1458	15 - 1472	BG171641, BG171674, BF306861, BF204273, BE292742, BF204193, BG026083, BF310019, AI739645, AA581933, AI653175, AI123205, AI278757, AI537934, AA565707, AA919136, AI660513, BG171188, AW846051, AW071030, AW087303, BG015060, BE878801, AI241924, AA558474, BE142567, BE735689, AL353194, AB033097, AK023799, AL353194, AL353194, and AL353194.
HMVDT89	1511	831127	1 - 1977	15 - 1991	BE908874, AA403039, AA772356, AA706235, AA890039, AW958911, AI796685, W56103, AA639769, AA707393, AI971384, AI400642, BE349391, AI419056, AA931654, AI074056, AA725449, AW752569, AI278287, AA934509, AI056195, AI051080, AA291642, AA252870, AI278795, AI077777, AI344740, AI827412, AA855074, AA287208, N99681, AA625359, AA707796, AI085793, AA910676, AI375275, AA968653, AA482049, AI277706, AA004744, W56146, AI040845, AA128102, AI038120, AA926651, AI808622, W42934, AI241340, AI419232, AA938251, AA481865, BF939403, N62191, AI350660, AA846421, BE174045, AA928335, AA987944, AA805065, AA325681, AI188852, AI266586, AI022609, AA401330, W37593, AI459456, AA514539, AA480369, AA938533,

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HMVD89	1512	875313	1 - 1980	15 - 1994	BE908874, AA403039, AA772356, AA890039, AA706235, AI796685, AW958911, W56103, AA639769, AA707393, AI971384, AI400642, BE349391, AI419056, AA931654, AI074056, AA725449, AW752569, AI278287, AI051080, AA934509, AI056195, AI827412, AA291642, AA252870,

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HMWAO65	1513	839268	1 - 698	15 - 712	AV717724, AV716363, AV713252, AV713584, BE891760, AV756659, AW027019, AW027067, AV714738, AW027058, BF031281, AW024795, BF027753, BG164526, AI133406, AV716325, BG114255, AW024324, AV713478, AV717015, AV714131, AV716706, AI869647, AV712262, AV753954, AI570577, BE145690, N39717, AA449890, BE176728, AA772331, AV760334, BF541678, AW901295, AA287306, AV758446, AV712147, BE176732, AV740327, AI151440, BF104037, AI469975, AW964222, AA827541, AV760290, AW602318, BF700773, AV755240, AA480978, AA305599, AA983471, BF382953, AA287347, AA639458, AI866765, AI216331, AW439509, AV736255, AV733744, BE174451, AI224047, AA362212, BE768791, AI868763, BE718750, AV736268, AA658562, BF247670, AA249640, AA746935, AI886756, AF116682, and AF161398.
HMWAO82	1514	825427	1 - 472	15 - 486	AA290563, BF698704, BF699964, BF698510, BF666395, AI963266, AA983199, BE147488, BE550271, AA230203, AI632259, AA872442, AW059943, AI133297, AA831132, AI254279, R93995, AW020321, AW827130, AI681987, BF435396, AA745406, BE297262, AW023990, AA330179, AV763354, AI370094, AV762535, AW275510, BE145412, AI766275, AA490183, AA493695, AW963750, AI345157, AW168618, AV739452, AI687343, AU140328, AI370074, AW270343, AV710066, AI583283, AW302903, AA584167, AL046205, BF347740, AA279421, AW135781, BF347791, AW827120, AW102846, AA484373, AV760486, BF677892, AA683238, AI872020, AV760777, AI056874, AA468022, AW979031, AV762098, BE907585, AV764578, AV733627, BE253048, BG249643, BF337291, AI305766, AW853873, AA618452, BG059450, BG060148, AI004704, AW857802, AW235497, AI039584, BF857075, AI270117, AA747070, AW139769, AI471887, AI307022, AI252274, AW021207, AW021735, AW069769, AA483929, AI445674, AI223604, AV745092, H71429, AV703942, AI805363, AA577959, AW974109, AW471428, AU121684, AA101689, AW084466, AV763183, AW403837, BE049030, BF681649, D58349, AI953275, AW953071, AW853857, AF330238, AW970871, AV763847, AV759505, BE782280, AL045053, AI751216, BF977376, AL037554, AV729809, H66681, AV728425, AV733830, AI284640, AA362511, AU121243, BG167139, AI470646, BF902055, BE378770, AW866226, BE147416, AA477122, AW872575,

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HMWBD74	1515	711155	1 - 640	15 - 654	AI379584, BG054877, AL047305, AA973825, AI039197, AA129966, N67924, AI445879, AW592609, AI216121, AI333174, BF338261, AW193969, AI375028, AA971281, BG059818, BE878994, AA610487, AI186756, AI797946, AL035713, AW673561, AI658759, BE857297, AA903939, H43943, AW157236, AI278494, BF435906, AI923255, AI952998, AI815242, AW263991, AI678954, AI827349, BE463635, AW628092, BE348856, AA156410, AI678759, AI338587, H27986, AI949082, AA904019, AI701987, AI224044, AI624220, AW302281, AI142826, BE676628, T09406, BE618428, AI568409, AI680310, AW627595, AA664529, AA912579, R48256, AI684160, AA493203, AI198046, AA853903, T10459, R48353, AA627506, BF091042, BE719370, AI914689, BE832474, AI798369, BE536419, BF361847, AI273778, AW022651, N56062, H43899, H17052, N83831, R49632, N88633, BE832496, AA248036, AI933507, AI824605, AW264348, T10972, BE905166, N67372, AW979236, AI699430, AA091912, AA853902, BF445541, BF032506, BE000475, H17667, AA847041, T11092, BE045346, BE255391, BE699217, D45274, AV752909, AW878867, BE559802, BE935735, N88845, AA985217, AW867281, AA670311, AA235030, BE670396, R10288, U24576, AF102817, AR070430, AF096996, E17362, and E17361.
HMWBK35	1516	566888	1 - 960	15 - 974	AW468934, AI570261, AA843450, AW505125, AW277174, AW500064, AW438407, AW270768, AW029038, AI291037, F36273, AU157093, BG059314, AW019964, BG223280, AW088616, AI860535, BF436273, AW662490, AI344810, AV682003, AW021774, AL045077,

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HMWBK86	1517	654856	1 - 458	15 - 472	AW615250, BG256720, BE874914, and AC002454.
HMWBL38	1518	602940	1 - 910	15 - 924	AA602906, AI801505, AA622801, AL042667, AL042670, AI887235, AW833297, AA595499, AW969667, AW237905, AI679759, AI143051, AW341978, AV695478, AW976024, AI246796, AV760453, AI354423, AL037714, AI690750, AI683131, AA747757, AI925869, AV733824, AI366555, AL445187, AC005412, AC008745, AC008403, AL132639, AL162430, AC002477, AC004254, AC004253, AC004832, AC003109, AL009183, AC009247, Z96074, AC004148, AJ003147, AL008635, AC008764, AL035249, AC005666, AC005993, AC002504, AC004112, AF207550, AP001753, Y18000, AC004531, AC003982, AC011742, AC011479, AC007383, AL109804, AC007537, AC010422, AC008626, U52112, AC012076, AC006251, AC005089, AL096701, AC006013, AL022320, AC012384, AP001717, AC005015, AC005755, AC021016, AC004846, AC011510, AL137039, AJ400877, Z99716, AC007097, AC007934, AC005043, AL117334, AC009314, AC007404, AC004678, AL021707, AC002400, AC002472, AP001748, AL035086, AL135927, AC007227, AC005484, AC004491, AC006483, AP000555, AL139353, AL137145, AL109797, AC009756, AP000557, AL050349, AC005391, AC005529, AF168787, AC083866, AL138787, AL008627, AL050318, AL034405, AC006312, AC008150, AP000556, AC011484, AC005202, AC005841, AL138759, AC005209, AP000356, AP000511, AC007686, AC005581, AP001630, AC004912, AL354696, AC011462, AL031846, AC010267, AC002418, AL049694, AC008753, AL121776, AP001711, AF001549, AL049569, AL031311, AC005944, AC026431, AL356299, AL122015, AC011514, AC004671, AL031591, AF111168, AC005038, AL133448, AC008747, AL137230, AP000116, AC005839, AC004596, AF196972, AL049597, AL109743, AC008556, AC005031, AC008555, AC011491, AL109935, AL033529, AC016995, AC004703, AL136137, AL008582, AL139289, AL050335, AC008543, AC007546, AL035417, AP000065, AP000514, AF111169, AC004167, AC006511, AC005821, AC008687, AL133353, AC018738, AP000212, AP000134, U80017, AC067868, AC067868, AC025899, and AC025899.
HMWBM4 8	1519	566828	1 - 793	15 - 807	AI936799, AI346126, BE617638, AI609320, AL515229, AI829888, AI028091, AA883878, AW242128, AI683488, AA911233, AU144403, AI591340, BF967718, AI082745,

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HMWCG28	1520	847413	1 - 879	15 - 893	AW197242, AA115972, AA283140, AI768512, AI262126, AW299591, BE501477, AI492452, AI470922, AI925912, AI479591, H99611, AW392956, N53011, H58193, BF930214, H89604, AW361279, N34132, AW865961, BF933761, BE252200, BE083984, N35841, AF061944, AJ296290, AC004765, and AF227741.
HMWCP85	1521	757974	1 - 2023	15 - 2037	AI816779, BF589912, AI766960, AI628628,

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HMWDG30	1522	623758	1 - 1403	15 - 1417	AW969074, AU133454, AW968562, BF592955, BE218175, BG259856, AI693384, AW051316, BF224373, AW590277, AI655794, AI985079, AW206982, BE502160, BF591950, AA521071, AI440350, BE147905, AI652542, BF700778, AI656529, AW137144, AI700491, AW207487, AW515088, BF940357, BF212673, AI679584, AI203619, AI146676, AI656186, BG256129, BG150220, AA485241, AA485222, AA255427, AW021270, AA504519, AA918586, AA448288, AA766899, AA731892, AA465684, BF839815, AI969725, AA257113, H63780, AA813940, AA749136, AA804794, AA255593, AA665204, AA504603, AW975158, H78263, H73461, R89769, AV707927, AL133117, AL030996, AK001758, Z82901, Z82976, and AL023575.
HMWDU20	1523	695743	1 - 1823	15 - 1837	BE270976, BE897858, AA195964, AV749912, AV726499, AA599286, BF246069, N94774, AA833771, AA236338, BG251374, AW290957, AA876354, BF445488, AA906010, T91837, AI239953, T91924, BE893001, AA248865, AA236244, AA876584, BE676907, BG025057, AW976981, BG257479, BE560653, AW820810, BG166334, BE397373, BF831840, BF086134, BE207344, R69533, and AK000342.
HMWDX57	1524	610104	1 - 479	15 - 493	AI277909, BG230714, AI269884, AA769351, AA617946, AA564596, AI318107, N63213, AA604182, BG222833, AI375876, AI819605, AI624951, AI624969, AV647347, AV647386, AA226943, BF436733, AV741546, AA129588, AI273811, AI872734, AI378911, AI184380, AI742754, AI334418, AI962881, AI262813, AW191038, AI086775, AI874117, AI563934, R45288, AA216590, AI343767, AI680507, AI264483, AA485083, AI032017, AW613413, AA973883, AI333850, AI276934, R46246, AI278013, AI336290, AW157520, AI200002, AA862394, AA505107, AI080730, AI094917, AI302640, T27586, AW005401, T16712, AW951584, AI351658, AA218542, AI244942, AI150992, AI298986, AA226935, AA574063, AI190652, AW078972, AA194961, AA487171, BF568733, AA862989, AI361095, AA643349, AA648788, AW071946, AI370921, BE858186, BF440016, H71328, AA487535, AA516109, AU160689, AA219135, AA213720, AI360197, AA418898,

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HMWDZ63	1525	608146	1 - 446	15 - 460	BF952285, BF689105, AA322669, F32401, AI983973, N34684, AA670237, BE047600, AA492541, AW005126, AI081323, H58971, AA548281, AI963000, AA843860, AI185313, AI433098, AI635938, AW162230, AA130891, AW517248, BF432672, AA069791, BE621674, AI341728, AL525623, AW362642, AW009449, AL521435, AA459380, AI819854, AI813603, BG059717, AA496027, AI814291, N98611, AI652682, AA621359, AA748142, BF445770, H18412, BF361431, AW204101, BG059653, AA877190, AA074083, AL529694, R55525, AI308809, AI261790, H75783, BE280578, AI797776, H10411, W69488, U52111, Z68129, U69269, U69268, Z68907, U40272, X74124, U52111, U52111, and U52111.
HMWEA77	1526	839221	1 - 1355	15 - 1369	AF074667, BF346320, BE796439, AL048969, BF307044, AA299929, AV758260, AA742815, AW976010, AA502511, AA224525, AI457152, BG032943, W96277, BE077105, AA584482, AI984168, AW973541, BF828714, AW408643, AW406447, AW961160, AW975092, BG034591, AV762637, AA356089, AA515829, AA484696, AL036896, AW275432, BF240672, AI791659, AW157180, AI929298, AA658398, AI929825, AI090377, AA640277, AA020873, AW600804, BF530668, AI499134, AA831426, AI620354, AA130647, AA679946, AL048060, AA577824, AI433104, AL022316, AL117348, AL109965, L78833, AC005740, AL080243, AC004448, AC007263, AC008102, AC021752, AL136295, AL136120, AL355385, AC024563, AC002470, AL049757, AC005231, AC008569, AL356299, AC005358, AC007225, AL158830, AL135744, AC011442, AC006329, Z97053,

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HMWEC03	1527	598902	1 - 1542	15 - 1556	AL524603, AA742240, AL524604, AI823878, AA909660, AI739313, AA724383, BE966163, BF920012, AA860492, AI041387, AI027069, AW469502, AI057240, AA455706, AA782088, AA713600, AA453899, AA453814, AW516356, AA731254, N34410, BF919843, BE881890, AI633609, AA854687, AA455653, AA694027, AA783027, AW962838, AI254702, AW193015, AI433179, AA075268, AA725703, AW662414, AI675179, AA768870, AA315407, AA294893, W01170, AW382352, AI480064, AA004597, BF035158, AU117039, AA074591, AA808579, AW954859, AI197903, AA356570, AA315659, AI934159, N50688, AI479897, AI554697, BE882625, N48644, AL138383, C01402, N74083, AV703799, AW665433, AI886547, AW366528, AW366511, AI950277, AI590043, BF970652, AL514879, AW160905, AL514015, AV656595, BF970731, BG180515, AW079432, AW020419, BG257535, AW160916, AL514129, AL514791, AL119863, AI799183, AI500514, BF107577, AI252414, BG031539, AI312364, AI345180, AI698391, BG023758, AW269098, AW268251, AA620346, AL046942, BF054789, AW268768, BF793462, AI307604, BF033757, AL513991, BE892503, AL513937, AV727807, BF796163, BF856052, BF835240, AL514627, AV658585, AL513901, AI612913, AV755614, AV755613, AV681731, AI624293, BF726218, AI798456, AI889189, BF968666, AW051088, AL036187, BG029829, AI866469, AW162194, AW827206, BE910373, AW161156, AW834302, AI567582, BF970093, BG113299, AI872423, BF883916, AL036361, AL045500, AI473536, BE879911, AI345543, AI818353, AI683395, AL036509, BF032768, BE877142, AV755459, AL514657, BE621256, BG114304, AI433157, AI702073, AA808175, AW161579, AI452560, BF812961, BF766529, AI499890, AI978703, BF822127, AI859991, AW189802, BE874133, AL513597, AL515235, BG035060, BE889178, AI633125, AI538564, AI929108, BF871314, AI915291, AL046466, AV685436, AW152182, BF344361, BF814527, BE966927, BF971203, AA938092, AV709679, BF725599, BF791543, AV701707, AL041150, AL513913, BF752999, AV702994, BE769091, BE785348, AL513757, AW827289, BG180034, BF792961, AI884318, AI582932, BE875959,

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HMWEF46	1528	825433	1 - 1245	15 - 1259	AW293921, BF446082, AA503279, AI803462, N29908, AI202881, AI244784, AI863707, AI984336, AW672908, BG171562, AA160974, AI879084, AA101937, BE383668, BE735315, AK001480, AC068429, and AC068429.
HMWEK43	1529	847414	1 - 1203	15 - 1217	AI668700, N93601, AI734276, W25478, AB019439, and AB019438.
HMWEM2 3	1530	863105	1 - 1862	15 - 1876	AI823654, AI961177, AI478221, AW968773, AA846576, AI480402, AA584298, BE560551, AI813657, AI760644, AW247012, AA887179, AA868607, BF980116, BE961977, BE550998, AW969507, BE559619, AI651566, AA579655, AV686107, AW969502, BF436325, AW002182, AI654813, AA491041, AI283079, BE617461, AA922926, AW166079, AA917731, BF515827, AW292126, BF223222, AI990156, AI499865, AA729880, AW250215, AI671762, AI680670, AI948722, AA490858, AA503731, AA732307, AW969802, AI222519, AI004530, AA639529, BF798411, W96184, AA513845, AL532268, AI681727, AA768695, BE765188, AI147101, AI205178, AI269686, AW291809, AI393299, AA737590, AA528328, BE065291, AA764868, AI867123, BF095791, BF821814, BF380983, BE151798, BF380986, AV654488, BF909261, BF909264, AW969515, AA809950, AW269244, AW300193, BE693372, AA689267, BF590473, AI694125, BE962424, AV703593, AV701983, AV707103, AW950675, AV706278, C14208, AW963117, AW954129, AK026201, U19181, AC025263, and S79539.
HMWEM2 3	1531	859387	1 - 1862	15 - 1876	AI823654, AI961177, AI478221, AW968773, AA846576, AI480402, AA584298, BE560551, AI813657, AI760644, AW247012, AA887179, AA868607, BF980116, BE961977, BE550998,

					AW969507, BE559619, AI651566, AA579655, AV686107, AW969502, BF436325, AW002182, AI654813, AA491041, AI283079, BE617461, AA922926, AW166079, AA917731, BF515827, AW292126, BF223222, AI990156, AI499865, AA729880, AW250215, AI671762, AI680670, AI948722, AA490858, AA503731, AA732307, AW969802, AI222519, AI004530, AA639529, BF798411, W96184, AA513845, AL532268, AI681727, AA768695, BE765188, AI147101, AI205178, AI269686, AW291809, AI393299, AA737590, AA528328, BE065291, AA764868, AI867123, BF095791, BF821814, BF380983, BE151798, BF380986, AV654488, BF909261, BF909264, AW969515, AA809950, AW269244, AW300193, BE693372, AA689267, BF590473, AI694125, BE962424, AK026201, U19181, AC025263, and S79539.
HMWER46	1532	841527	1 - 1119	15 - 1133	BE886301, AI160339, AI344336, AI685817, AI685846, AW300593, BE046893, AI953038, AI381971, AI968794, W16764, AW614126, AA255974, H61658, AW444968, AI376908, AI276953, R95692, AI075631, H61951, BG109160, AW087345, AA749355, AA605034, AA494532, AA057850, AA476582, R63539, AI985965, AA256043, AA542904, AA102826, AA738475, AA035513, N49925, N29804, AA101640, AA282290, AA398667, AA846244, AI186477, AA862567, AI183869, AI310494, AI372913, Z38515, AI953080, BF437539, T91306, AA631291, R32027, AI755152, BE292874, T05374, H56341, AA505799, BE672814, AI627467, H97794, AI421793, AI499849, T90109, AI814330, AA713830, AA330261, AL517390, AA188821, AI341335, BG255037, AW188930, AI914562, AA948078, AI085362, AI361967, AW006183, BE326910, AI143537, AA045483, AA828527, AA027054, T72902, AA402892, BF825513, AA291534, AA428795, BF743917, AI676051, AA602166, and AF141882.
HMWEU96	1533	131088 8	1 - 1595	15 - 1609	BG104490, AL043063, BF002024, AI660939, BF697850, AI985121, AI709336, BE748931, BE878194, BF573246, AA195089, AV757284, BF664766, AV722878, BE748410, BF740243, AL449602, AW166009, AI419816, AI417989, BF382409, T59567, AI469990, AV753243, AA032213, AI299782, AI360924, AA160957, BF737297, AI074310, AI066689, H97993, AI079959, AI089796, N54456, AI081423, AW438622, AW771137, AW298464, BF844819, N93690, R19752, AW151118, N76567, W15358, AW512786, BF438904, AA465427, AA465356, AA513766, T54625, AI525435, H03675, AW594366, AA460454, AI380037, AA258767, T08272, BE173246, AA195284, AL449601, AI438950, R18688,

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HMWEX02	1534	596821	1 - 1345	15 - 1359	AL518291, BE873246, BE795606, BG119436, BG027302, AW274865, AL530993, AW411036, AL518292, AL529173, AI654619, AI989598, AI990166, AL525535, AI270372, AI825369, AW236560, BG177458, BE884111, AA160692, BE504943, AI654415, BE547702, BE891075, AI306472, BG256714, AI627765, BF310129, BF590899, H11312, AW197381, BG117709, BE252534, AW411035, BG031610, AA159893, BE253407, C00425, AI582926, BF055662, AI915243, AW409775, BE891834, AI613471, AI890057, BE544111, AI272065, AL037626, AW105601, AI251221, AW082532, AI432110, AW088899, AW274318, AI952920, AI648567, AW025279, AI933992, AI365256, AV755332, AI570966, AI886055, AI472536, AI249877, AW085786, BF814449, AI752007, AI923446, AW058233, BE889178, AW088521, AI627201, AL040011, AI624529, AW022494, AI270039, AI860674, AA641818, AI952302, AI698437, AI859464, AW084097, AW168503, AW007597, AI253379, AL038956, BF343982, AW268759, AI950664, AI623941, AI478723, AI457369, AW900453, AI251830, AL079997, AI244380, AL049053, AI433611, AI583578, AW022636, AI539800, AW148909, BE873690, BE875426, AW274343, AI343038, AW169234, BE892572, BG031815, AI805688, AI524179, BF965836, AW302662, AW194079, AI336506, AI254251, AW303238, AI539153, AI917963, BF054886, AW268290, AI636619, AL040241, BE543089, AI890507, AL038529, AI886277, BG254981, AI472566, AI633061, AV750565, AI916419, AI359590, AI866608, AW021373, AI919593, AI540606, BF924856, BF870154, AI434242, AL036652, BF339322, AW411141, AW162189, AI494201, AL121286, AW104641, AW129230, AW191844, AI582912, AI865320, AL048323, AI669639, AW189415, AL042488, AI589428, AI926794, H89138, AI355277, BE172499,

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HMWFB65	1535	638102	1 - 1476	15 - 1490	AW204163, AA033973, BE349240, AI818304, BE787124, AA350775, AW081429, AA351182, AA351063, AI214706, AA399495, AA525779, AA631754, AA398154, Z45338, AA515710, BF574993, AA190519, AA190482, AV708512, AA365169, AW177715, AW994322, AV721142, AL137607, AF109219, AK000730, AB030279, and AL008723.
HMWFD77	1536	610105	1 - 508	15 - 522	
HMWFO25	1537	566855	1 - 916	15 - 930	AA071066, AU121128, BG254784, and AK022122.
HMWFO89	1538	846650	1 - 566	15 - 580	AA662085, BG163775, BF508990, AA723055, AI827371, AA035228, AI697423, T51272, AI699665, AW827150, AV648996, AA782359, AI917382, BF508915, AI638464, AC074303, AC021125, AC021125, and AC009149.
HMWGM4 1	1539	847415	1 - 1210	15 - 1224	AL529437, AL529436, AL526960, AL527090, BE901109, BG254023, AA069656, BE729280, BF026424, AU134538, BE251492, AW512689, BF542049, AA928735, BE074973, AI027673, BE074967, AI130940, AA421599, AW602733, AI580837, AA423996, AA827360, AL526924, AA424006, AA576953, AI858981, AA114876, BF222157, AA188494, BE007334, AA136831, AI200715, AI358322, AA481649, AW602739, AA988755, AA187921, AI499041, H10340, AA252300, H10044, AA856927, R44331, AW994967, AA588683, AW364266, BE092940, AA114875, R51006, AI253378,

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HMWGO95	1540	582078	1 - 1434	15 - 1448	AA084609, AI446336, AA515733, AA516193, AA602906, AA622801, AV720115, AI690750, R91911, AW515437, BF527070, AA058768, AW188742, R98218, AI245693, AI925869, AW970970, AC012156, AL078638, AL133264, AF243527, AL133163, AC005839, AC020754, AL133545, AC021999, AC008474, AL135978, AC002997, AC004913, AL034405, AL355499, AC000353, U80017, AC011451, AC005189, AC069080, AC020552, AC005907, AC008812, AC002350, AC008040, AC005740, AC011465, AL021368, AL049761, AC005399, AC007622, AC003982, AL163284, AC063976, AC004878, AC008102, AC005666, AL050335, AL160033, AL118511, AL109824, AC004867, AC004686, AL035086, AL162615, AP000688, AJ003147, AP000113, AC084732, AP000359, AC006965, AL132653, AC005529, AC005971, AC005080, AL157789, AL034380, AL353596, AC004148, AC005098, AC005412, AC006013, AC005180, AC006203, AC008403, AC006055, AC006487, AC004973, AC005031, AC012384, AC006459, AL356057, AP000354, AC010412, AC005522, AC007057, AC003684, U62293, AC006345, AC008738, AC006455, AC005071, AC004166, AC011475, AL035406, AP001724, AP001711, AC019117, AL158832, AC002476, AC006211, AF207550, AF196779, AL136137, AC009298, AC006457, AL121754, AC003080, AL031228, AC004089, AC008372, AL035684, AL109825, AL049631, Y18000, AC008569, AF030453, Z93930, AC006006, AL117377, AL117186, AC005015, AL031589, AC005531, AC005088, AC006480, AL160071, AX039602, AC005527, AC006163, AL136305, AC005231, AL049872, AC002302, AL121601, AC008745, AC005411, AP000156, AC007376, AC010150, AL137039, AC002365, AL109976, AC006463, AL023803, AC005914, U52111, AC006312, AC011479, Z95152, AL133295, AC002310, AC008750, AC020916, AC002287, Z82176, AC009079, AC007676, AL096701, Z97635, AC002128, AC024940, AC024940, AC068793, AC068793, AC012156, and AC012156.
HMWGV85	1541	847416	1 - 1129	15 - 1143	AL525882, AV700632, BF207496, BE173429, BF792771, BE173489, BE675423, AI278631, AW182443, AI073393, AV689105,

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HMWZ42	1542	824259	1 - 1575	15 - 1589	BE081124, AI086312, AL049830, AL049830, AL049830, AL049830, AL121808, AL121808, and AL121808.
HMWHR36	1543	604846	1 - 817	15 - 831	
HMWIM55	1544	604845	1 - 770	15 - 784	AC058804.
HMWIQ26	1545	722234	1 - 1164	15 - 1178	BG178792, AI436382, AA167836, AA448957, BF840038, AL042956, AI133591, AI675879, BF855622, BF376692, AL045696, AI659151, AI948730, AU133222, BF355312, BF355511, BF916125, BF916124, BF355321, H09862,

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HMWU49	1546	800894	1 - 1565	15 - 1579	BG119647, AV699322, BF002481, AW194103, BF038249, BE501114, AW518690, BF182905, AW575036, AV689102, BF448095, BE465647, AA570483, BF739874, AW958913, BE872403, BE384518, AW611943, AV683442, AW571485, BG108121, BE740380, BE967159, AV685709, AV705406, BE390982, BG057337, AA532739, BF770215, AI950034, AI831065, BE793003, BF983938, AW072315, AW088486, AI872396, AW250423, AI978692, AA526905, BF350738, AA004890, AV698580, AI859462, AI521711, AW027992, AI589001, AI149487, AW062708, BF362487, AI709015, AW269185, AW269349, AI140101, AW002658, AV651040, AA725306, AI554225, AI352315, AW516405, AA134415, AI635661, AL532424, AA651838, AA481316, BE789385, AW661983, AI431710, AA600310, BF801604, AW235534, AI284946, BG117796, AI753373, AA705577, AW269158, H20713, AI983743, AI248592, AI942429, AI873092, BG115219, BE407231,

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HMWJJ62	1547	838612	1 - 940	15 - 954	BE390367, BF696246, AI167810, AA132553, AI888365, AA081047, AA683331, AV733710, AA827295, AW303196, AW301350, AW274349, AW576391, AW270270, AI284640, AI281881, AL138265, AL120687, BF677892, AA581903, AV652936, BG249643, AL046409, AL119691, AW407578, AW472872, AI064864, BF668217, AW275719, AW872676, AV760395, AW975049, BF965007, AW419262, AW502975, AW021583, AA470969, BF984160, AV728928, BF311000, AW265385, AV760777, AI133164, AV762139, AI890348, AL046205, BE810816, AV760937, AV763354, AA720702, AV762571, AW833862, AI564185, AW969798, BG236735, AI334443, AW965237, AA469451, AI358571, AV762111, AV761489, AW872575, BG058664, AI457397, AI732764, AV759204, AV735370, AI537506, AI708009, AV763255, BF793766, AV735495, AV740801, AL041690, AW327624, AI754955, BG109996, AA587604, AU147104, BE049095, AV761786, AV760614, AI192631, AV763971, AI144055, AW504485, AV759505, F36273, AW731867, BG222267, AV759274, AW970571, AV756693, AI434695, AV762098, AW088202, AV763540, AW276435, AV764398, AV742057, AW439558, BF725029,

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HMWJJ64	1548	581071	1 - 1549	15 - 1563	AL524297, BE733894, BG252166, BE784492, BF966059, BE256737, BF312476, BE871091, BE617340, BE787627, BE742472, BE512915, BG025130, BE617817, BE785442, BF304530, BE898447, BF102640, BE889000, AV721676, BE898776, BF815284, BF339486, BF218311, BE252735, BE567714, BF664645, BF206943, AA147837, AI743208, BE314397, BE274507, BE255425, BF439320, AW182349, AA007624, AI277785, AW573051, AA024558, AI291465, BF210921, AW887597, BF108847, AW471496, BF240534, AI288560, AI554517, AI095825, AI985816, AA773852, AA976598, AI459022, AI151093, BE961070, AA946802, AA164679, AA223385, AI857771, AI031793, AI091674, W90030, AI291065, AI375794, AA197226, AI076590, AI800391, AI224873, BF508752, AA071166, AA128165, AI301386, AA025311, N68960, W00659, AA165076, AA125978, N26243, AA765037, AA480601, AI338334, BF033913, AA147874, AA687145, AA804439, BF804783, AA299364, BE833026, AA854484, AI718904, AA551651, AI338336, AW182296, BF794926, AW078483, AA761586, AW003484, AI698757, AI537542, AA223303, AA229403, AI301399, AI678919, AI694632, AA248406,

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HNAAD76	1549	596801	1 - 1833	15 - 1847	AV759518, AI538852, AI440117, AI434080, AW303196, BE138594, AW301350, AI284640, AW410354, BE677425, AI572924, AA704393, AW819125, AI687343, AI732151, AW474168, AI085242, BG026977, AI696962, AI111171, AI753672, AA757661, AI358384, BG180976, AI270117, AI536908, BF678165, AV710066, AI801505, BF347791, AV755593, AI267818, AI925579, BG249643, AI334443, AA719292, BF868994, AI371165, U91322, AF207550, AL080243, AF049895, AC006261, AC004686, AC006285, AL118520, AC012309, AC010458, AC005089, AF001549, AC025594, AC005932, AC073593, AF317635, AP001717, AL136365, AP000959, AC005488, AC008616, AC005776, AC006468, AF053356, AL034379, AC005412, AC007957, AC004980, Z85986, AC011470, AC004893, AP000552, AL031433, AP000556, AC004778, AC011491, U95740, AC006965, AL035404, AP000512, AC020904, AC008699, AC002314, AC003098, AC020552, AL158830, AL109797, AC010202, AP000343, AC007358, AC005215, AC009510, AC005330, AC004813, AL109758, AL109623, AC005015, AC006449, AP000032, AP001714, U80017, AC005531, AC005011, AC011442, AC026776, AB023051, AC012442, AC004841, AP000135, AC004685, AL445435, AC036103, AC006270, AL035461, AC005189, AL008718, AC008403, AP001724, AC008009, AC005875, AL354720, AL031659, AC008747, Z93023, AP000031, AP000688, AP001748, AC008733, AL023284, AC010618, AL365505, AC005323, AL096868, AC005486, AL117337, AC005480, AC023490, AC004837, AC002477, Z98257, AL049757, AL109865, AL031602, AC002352, Z85987, AC007676, AL050318, AF038458, AC007749, AC012085, U95742, AC005081, AC004987, AC010412, AP000514, AC011895, AF001548, AC007383, AC009506, AC004089, AL355103, AC011475, AC008738, AP000557, AC002310, AC000052, Z94056, AC007649, AC006501, AP001712, AC005520, AC005484, AC004797, AC007216, AC010489, AL162831, AC004612, AL049537, AC009331, AC005280, AC008750, AP001719, AC005332, AC004826, AC010271, Z82206, AC016831, AC005038, AL162724, AC007225, AL121949, AL049540, AC004551,

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HNAAE24	1550	566448	1 - 1377	15 - 1391	AC007718, and AC007718.
HNALD94	1551	844722	1 - 1258	15 - 1272	AI956087, BG231957, AI949204, AA706438, AA043129, AW166890, AI827063, AL134574, AW168952, T15691, AA454745, AI826543, AW024703, AI352667, AI125623, AW300548, AI370380, AI288057, AA232816, AI372064, AA233870, AA926958, AA447193, AW439052, H60436, H84776, AW593600, AW969534, AA922599, AA218629, AA570089, AA894833, BF353213, AI873954, AA411348, AI521589, AI559741, BG110768, BF925392, AW020415, AA582684, BE002593, AA368329, AI306717, R39627, AA368012, BE876652, AA084950, AI015582, BG250789, H86579, AI520925, BF971214, T47138, AA614647, AI915081, AI475294, BE299534, AA721523, BF833538, BE465696, AV716506, AI890799, AI144056, AW272640, BF838037, AW951204, AA626411, BF953591, R92658, AI054419, BE002594, AI792578, AW754428, AW754431, BG150692, AI536858, AI933681, AW778780, AA287570, BF132824, H80989, AW754424, AW754426, AI187148, BE044879, AI859335, AW957511, AI814682, T41134, AI291439, BE879516, AW591276, AC011497, AC006539, AJ011930, AC003101, AL096791, AC008040, AL035458, AL121601, AC009087, AC011484, AF113694, AP000117, AL163300, AL021391, AL035587, AL133454, AC002558, AC007731, AL022726, AC005500, AP000354, AC083866, AL109799, AP001671, L78833, AC004491, AC007225, AC024247, AP000030, AL357150, AP000031, AC004883, AC004659, AL135960, AJ131016, AL133262, AF195953, AC004686, AK026155, AL356863, AL136169, AL139092, AC009242, AL162831, AD000092, AC008745, AF124523,

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HNALE44	1552	785045	1 - 1994	15 - 2008	AW957675, BF339068, BG035803, AU118864, BG121918, BF688844, BF569930, BE382967, BG108120, BG122515, BF341992, BE909336, BG119753, BF510605, AL119717, AI087350, AU145329, BF759606, AI338626, AI190337, AI493762, AI167939, AI348208, AA055694, AI077555, W74692, AI376864, BF688365, BE878563, W78908, F30928, BF759592, AA196586, BF759783, F19657,

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HNDAC35	1553	847417	1 - 758	15 - 772	AI348351, AW363323, AA743656, W95005, W95004, AI306519, N77238, N39614, AA716324, AI681279, AA204675, AA780007, N57887, AA976098, AI095863, AI052387, AI741156, AI190647, AI797012, AI918338, AA630154, AA987679, AA807867, AI126119, AI745201, AV703111, AI539473, AI382077, AI360343, AI739611, BF061407, BF061578, AI765354, AW188175, AW043714, AA933054, AI208742, AA625585, BG254616, AI718175, BE348411, AA724267, AA621317, AW768379, AI313189, AI017163, AA758069, BE219813, BE326636, AA987343, BE327374, AI361324, AI418870, AI223786, AA659911, AA917517, AA719265, AI911018, AA131262, AA782051, AA287916, AI024337, BF195723, N70711, BF594121, AA719129, AA131350, AA053929, AI160473, R53581, N47809, N55180, AA725258, W84793, N57808, BE999990, AA459002, AA022902, N68563, AA975991, R00251, H27579, AL523879, AV713620, BF741172, AL523878, AV709608, AA152196, BF965632, AI702842, AA939077, AI686849, AI913697, AA987345, BF309042, BE537209, AV722288, R00361, AA809437, BE858552, BF058115, BG033906, AI581061, AV714308, N50192, AI274553, AI628279, AF155655, AF151874, and AK027098.
HNEAA04	1554	604918	1 - 808	15 - 822	R00996, AC009313, AC009313, AC009313, AC009313, AC078943, and AC078943.
HNEAH26	1555	862041	1 - 1474	15 - 1488	AI133308, AV744706, AI310239, AW469999, AI003789, AA890652, AI570164, AW838167, BE873986, AW515154, AA826143, AV740374, AL047454, AI375417, AI088245, AI124618, AI457143, AI540401, AI540098, AI357034, AI378966, AA084734, BF438919, AA877295, AI813836, AI382347, AA771958, BE049052, AI865581, BF475948, BE091697, BF949364, AA806435, F17026, AA223246, BE897602, AI186380, N33132, AA459350, AA551109, AI887321, AW962432, N31608, AI926394, BE073148, AA344409, AI220812, AI193408, AL043725, AA737539, AW102963, BE896206, N30146, AV690362, AW139132, AV691305, AA962220, BF338965, AV695638, AV693309, AI076479, AV730753, AI921626, AI591332, BF221483, AW136039, T05155, BE264670, AA992185, AI862212, AW298127, AW516463, AI610326, AV730830, AL040818, AA299156, BF878671, AA457524, AI309322, AW962370, AV719171, BF727445, AA669580, BF035309, AU159276, BF112065, AL036183, AW168798, AA580638, AI652064, BE646447, AI858607, T06365, BE904846, AI124774, AA069204, AV732461, AA326171,

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HNEAK38	1556	631279	1 - 1369	15 - 1383	AU144320, AW419272, AW972919, AW262722, H73550, AI914747, AW966764, AI345827, AI349817, BE677425, AA541532, AW469214, AW268757, AW268954, AW274350, AA594157, AA772906, AI762528, AA441810, AI380617, AI817658, AI054418, AA632757, AI053790, AA534221, AC002073, AL365444, AC004971, AC006441, AC007276, AL136295, AL022336, AC004491, AL049748, AK021521, AL080314, AL354720, AC010087, AC005082, AL122020, AL049761, AC004859, AC002314, AC004895, AC006433, AL157938, AP001717, AL139100, AC005225, AL132639, AC005412, AC005282, Z84469, AC011500, AL132766, AP001709, AC024571, AP000204, AP000126, U91323, AB026899, AL034423, U91326, AC004851, AC002425, AF217403, AC006597, AP001716, AL121652, AP000112, AP000044, AC006001, AC023051, AC006330, AC012442, AC007731, AC005500, AC022148, AC005015, AC005037, AC010201, AL049780, AL121892, AC002477, AC007686, AL049795, AL121905, AC004584, AF111168, AC010738, AC006994, AL136223, AL034548, AP000298, AC002550, AC000025, AC007688, AC010553, AL021940, AP001711, AC008551, AF039907, AC007055, AC006033, AL133500, Z85986, L78810, AC011484, AC002563, AP000244, AL109743, AC002565, AL049757, AL161725, AC011489, AC006962, AC007774, AC008784, AC006511, AC005089, AL049829, AF045555, AL121914, AF196971, AL109804, AL035461, AC005081, AC004217, AC007225, AC006443, AC002470, AL049873, AC008009,

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HNEAK65	1557	604991	1 - 734	15 - 748	AI921765, BG029528, AL079734, AL038842, AV734690, AA515728, AW503420, BF839844, BG111530, AW084445, AV761107, AW410354, AW245860, AL042373, AL040054, AI619742, AL119247, AI962030, AA644090, H63660, BF725884, AI537020, AI792439, AW964231, AW275432, AI801505, AW237905, BF849430, AA565911, AW068596, AI357823, AA530958, AI654738, AI343144, AW572721, AA506734, BE242193, BG059450, AI255083, AI890324, AW674258, AV703785, AW813668, AV758870, AA284247, AV763026, AV763058, BG000961, AA513851, BF725844, BF854180, AI755057, BF868994, AL036896, AI732151, AA525753, AA746911, AI754253, AA613627, AV756491, AI049955, BG115297, AA916430, AV759632, AA578621, AA469327, AI754653, AW328331, AA502991, BE908602, AI587583, AW963444, BE974081, BF940118, AW026305, AI421950, AI587565, AI419337, AA503298, AW974363, AL079645, AI282253, AA574000, AU118374, BF337320, AW962006, BF212160, AW502796, AW023111, AI753672, BG222564, BG222326, AI821608, AW969831, AI307201, AI623720, AA847499, AW847624, AW502237, BG110480, AI566408, AW328202, BG029386, AC013434, AL354864, AL132639, Y14768, AC004181, AC007225, AB000876, AC008616, AF024533, AP000505, AC007565, AB000882, AL135839, AC004859, AP000114, AP000046, AL137073, AL137026, Z95331, AC005088, AC007731, AC005500, AP001730, AC007404, AC004509, AL162584, AC006285, AL158830, AP001714, AC004587, AP001717, AC005295, Z85987, AL050335,

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HNEBX72	1558	833092	1 - 1680	15 - 1694	R08086, AC004466, AC004466, AC004466, and AC004466.
HNEBY79	1559	841769	1 - 1558	15 - 1572	BF346320, AI457389, AV720115, AU157011, BG034591, BF828714, AA211734, AL042906, AA487475, AV722075, BF826830, AL135377, AV760701, AV762838, AL042905, AV714931, AU148853, AL041895, AL037632, BF982222, BE888245, AV732497, AV733139, AI251203, AI251034, BE139139, AW303098, AI251284, AA601278, AI250552, AW405593, AW600804, AW970571, BE138387, AI284543, BF725844, U51704, AU147738, AA470577, AW276678, AA577824, AV700663, BE792565, AW975626, AI223626, AL021154, AC005553, AC005412, AL050307, AF001549, AL049766, AC005913, AL121657, AC015971, AL359704, AF003627, AC004650, AL163248, AL096708, AC005736, AC007000, AC022148, AC007963, AL096776, Z98304, AC010102, AC007051, AC003049, AC009229, AC007529, AL136532, AC005066, AL096706, AC005548, AL139396, AC005280, AL133353, AL392173, AC007597, AL133329, AL121900, AC018760, AC006578, AC007919, AP001720, AL356801, AC005682, AC004782, AC019210, AC009228, AC005920, AC001228, AL133241, AL138894, AP001725, AP001713, AC005033, AC002312, AP001728, AC007151, AC008474, AP000035, AC026189, AP000692, AL359916, AC025263, AL121585, AC003065, AL035697, AL133245, AC011451, AC005919, AC004068, AL133445, AL049868, AC005409, AL158033, AL354864, Z98036, AL022327, AL031311, AC016620, AL355499, AL355365, AL049636, AL121658, AL158196, AF227510, AL080314, AC006238, AF042089, AC012150, AC007744, AP001699, AC008011, AP000269, AC006544, AB026898, AC011331, AL133405, AL021394, AC004738, AP000152, AC004067, AL357558, AL354720, AC009123, AL159158, AL135744, AP000103, AL049843, AL132987, AC006994, AC004976, AC007198, AL133475, AC008556, AC010150, AC005162, AC005476, Z82206, AL031287, AL118511, AL353812, AC002978, AC007686, AC010267, AL035407, AC003101, AL008635, AC009408, AL355530, AP000053, AP000168, AC005632, AC006487, AC006249, AC007679, AC006451,

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HNECD52	1560	609945	1 - 1251	15 - 1265	AW834800, AL133445, AL133445, AL133445, and AL133445.
HNECL75	1561	782493	1 - 3318	15 - 3332	BF726098, AW994422, BE713390, BF966577, AL043980, AW953049, BF037483, AI057529, AL041759, BF516317, BE612525, AV750230, BG029717, AI927307, BF476458, BF591591, BE177655, BF671506, BG111349, BE466752, BE671732, AW293285, AI984448, AW131025, BF527137, AI921233, AA992578, AI867442, BE813570, AI688950, BE872177, AA713601, AA744363, AI814890, AW770838, AW023465, W86504, AW293650, BF726097, BE717644, AI190737, AI080749, D62163, AA731662, AA815138, AA939157, AI242272, BF028735, BF743775, AA807198, AW589694, R27358, AA255608, BE962664, BF927481, H13254, Z46057, AA806548, AI869113, AW130977, H27013, T94909, R77600, T34083, R27359, BF980250, D51045, R21919, T32664, T94864, Z42401, AA346565, AA760841, D62714, BG025079, H13043, AA831225, AA255632, AI677928, AI125114, AA731718, H72756, R77601, AW376123, AA713603, H72755, AW366502, R28569, Z38608, F03200, H27695, AW607154, AA649012, BF750450, R22568, BE827165, F01839, H27696, Z42309, BF885637, R28364, H26839, AW169621, AW857720, AI869354, D61922, AW607314, BF033476, BF329591, N67136, BF979439,

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HNECX90	1562	834776	1 - 1300	15 - 1314	AL519749, BF510704, AW467220, BF976120, BG122772, AI870941, W72766, AA426368, AA862521, AW770001, AW402033, AA811255, BF946366, BF974119, AI874260, BE832456, D30989, BF814882, BF365817, BF974703, AW999313, BF809012, AW749230, BF926142, AA210965, Z43142, BE080610, BF906705, BE166514, AI904993, AL137764, AL133206, and AL031985.
HNECX90	1563	881133	1 - 2531	15 - 2545	AL519748, AL519749, BG251253, BG260688, BF510704, AV715744, AI744423, AW961456, AW572952, AW467220, BF976120, BF375552, AA310290, AI418200, AI809720, AA995527, AI609023, BF939937, AI288517, AW749230, N33916, AI870941, BG122772, AL042277, BE693970, BE829113, W72766, N50139, AI433766, R01771, BE829191, BE828884, BE829037, BE829118, AA872328, AA210965, AW304798, AI421893, AA211388, AW082927, AI862845, AW090481, AA426368, BF926142, W25664, AV653707, AI363459, BE828890, AA862521, N58826, AW770001, AW135039, AV742016, AI470076, AW402033, AA811255, BE327307, BF946366, H24257, AW504348, R44989, D53448, AI298661, T30306, BE219261, BE465267, BF110646, BF974119, AA377507, H22866, BG179248, AA303231, N49623, R93116, Z43969, BE219478, BE832456, W38839, AI874260, R20203, R21666, T34311, Z40029, R01770, AA224782, T70400, BE769066, AW999313, D30989, AA317701, AA883249, AA988173, AJ278587, AI699199, AI702142, F02617, F18128, Z43142, BF814882, AW337293, BF809012, AW175776, BF365817, BE832460, BF974703, BE439387, BG059056, BF874331, BE080610, BF906705, BE828975, AL514757, AL514829, AL513961, AL515035, BE166514, AL514939, AL514773, AL515043, AW148354, AL514869, AL515225, BF955810, AL514809, AI886415, AL514885, BE876270, AL515375, BE905408, BG178911, AI541056, BF750879, AI561087, AW020710, AL042745, AL042744, BF892007, AI333104, AI610318, BG110518, AI524608, AI349012, BF815930, BE011880, BF764538, BE253237, BE963519, AI802372, AI870187, BG032053, BG029667, AA641818, AW079432, AV729462, AW163554, BG110540, BE881077, BG105342, BG032138, BE895585, AI375615, BF339923, AA449768, AA284380, AI889168, AI472484, AL514843, AL121564, AI914736, BF055899, AW303152, AV716506, AI318603, AW023081, BF054877, AI340627, BF089692, AW149268, BF975552, AI888621, AI334895, BF032768, AI345778, AL514887,

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HNEDA05	1564	834777	1 - 1550	15 - 1564	<p>W87625, BF925862, W87626, AL449805, AL449794, AW512017, AL449806, AL449795, AL449658, AA532425, AC018607, and AC046176.</p>
HNEDP75	1565	581072	1 - 900	15 - 914	<p>AW020599, AA838190, AA602906, AA828062, F12561, AI002744, BF678990, AW270258, AW576571, AV705525, BF945477, AI933658, AA622801, AA534258, AA188676, BF665537, AI354423, AW859142, AW796445, BF839584, AV762351, AV739888, AI635440, AV743779, AW338179, AW004884, BF858276,</p>

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HNEDQ02	1566	846061	1 - 2221	15 - 2235	AW027646, BF340586, AW009517, BG260335, BF980209, BE271004, AW263058, AI818763, AI192106, BE675050, BF591019, AI669045, AW134868, AI707996, AA573433, AI492381, AI246765, AA514351, AA446879, BF892705, AA758017, BF335025, AI697382, AA921924, AA447224, AU148051, AI691050, AA432078, AI344519, AI972178, AI871321, AI347414, BE542493, BF901245, BF431250, AW365019, AW365011, W63539, AA551669, AW028200, BG002751, W31293, AI560989, AA417691, AA858111, BG007938, BG002156, AW665610, AA480502, AI685660, AI202566, AA469253, AA417583, AW050602, AI948586, AI913852, AW971780, AI927502, AW779205, AA446763, T29974, AA178924, BF885671,

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HNEDU46	1567	695745	1 - 1355	15 - 1369	H48362, AW378249, H48274, W27604, AL445493, AJ005577, X65956, AJ005578, AB044805, AB040533, AB040530, X98847, AB040532, AB040531, S67900, L27084, and AC023534.
HNFAD50	1568	839369	1 - 2896	15 - 2910	BE901275, BE887911, BE540235, BE900318, BE540111, BE892421, BF347036, AI091372, AI978955, AI148871, AW136306, BF062764, AI076374, AI760726, AW074845, AI950999, AI862003, BE867194, AI141627, BF846203, AI634279, AW300696, AI027708, AW264933, AA135123, BF743362, AA010075, N26912, N98428, AI401636, AW800867, C20943, AI249785, AW404376, H16294, AA135236, AA731184, N39868, AI612798, R93263, H16471, AV742859, AI923037, AA559951, R76656, AI201837, AA810473, AA635636, AI190005, AA081091, AW957038, T16484, AA081249, AA370045, AA961632, AA229775, AW978031, AA230010, AW885820, AI864137, C01543, T46994, AI537730, R93171, BF509404, AA665667, AW579026, AA872011, AW295123, D31491, BE551201, AV658727, BE393784, AI890472, BG165403, AI401697, AI554516, AI804505, AI500659, AI815239, BE883591, AI866465, AI357664, BG167830, AI815232, AI801325, AI866691, AI500523, AI538850, AI887775, AI582932, AI590043, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, BF811804, AI289791, AI926593, AW151138, AI889189, AI521560, AW151974, AI500662, AI285417, AI623302, AI539800, AW172723, AI284509, AI582912, BG171620, AI538885, AI889168, AI440263, AI927233, AI866573, AW058275, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI332957, AI285439, BE047852, AI859991, AI436429, AI355779, AI889147, AI623736, AI885949, AI581033, AI371228, AW194509, BG171701, AI491710, AI440252, AI431307, AI440238, AI924051, AI567971, AI866786, AI860003, AI610557, AI431316, AI621341, AI242736, AI539260, AI828574, AI887499, AW151979, AI539781, AI431238, AI702065, AI539707, AL514847, AI285419, AI559957,

					<p>AW089557, AI521571, BF342104, AI469775, AI866581, AI567953, AI815150, AW074057, AI446495, AI568293, AI889191, AI867068, AI952433, AW193598, BF812963, AW834282, AI225248, AI358271, AI798359, AI872315, AI932620, AI698352, AI282249, AI371229, AI345688, AI918435, AI436446, AI371237, AW089844, BG120398, BG112844, BE546870, BE885490, AI696570, AI370623, AI457661, BG180200, AI695857, AI434969, AI225023, AI590134, AW087540, AI423733, AI499535, AI038682, AI863152, AI678409, AW084077, AW080700, AI434233, AI570056, AI868680, BG169376, AL045443, AV659072, AI494201, AI682915, AI698391, AI866458, AI362494, BF815930, AI819522, AI560641, AL515149, AI537677, AI355008, AW129541, AL117565, AL389935, AL050149, AK025350, Z97214, AL139099, AL133051, AL049423, AX041002, AX040958, AX040974, AL133655, U30290, E13998, X99971, I89947, S82852, AL137716, AL133619, AK000414, AL133076, AL133084, AL133070, AL122101, AF122922, A31057, AK026462, AL117587, AL133053, AR034821, AL133049, AX015526, AJ005690, A08456, AR055519, AL023657, AF044323, X66871, Z13966, AL137533, A77033, A77035, AK027052, AL133607, AL133015, AL133608, A52184, AF273680, AX015915, AR015970, AL080159, AL133020, AL389982, AF126531, Z69719, AF002985, AL137530, AB040710, AF047716, AF090903, Y14314, AF124728, D83032, AF130055, AC073219, and AC073219.</p>
HNFAD50	1569	843242	1 - 2416	15 - 2430	<p>BE901275, BE887911, BE540235, BE540111, BE900318, BE892421, BF347036, AI091372, AI978955, AI148871, AW136306, BF062764, AI076374, AI760726, AW074845, AI950999, AI862003, AI141627, BF846203, BE867194, AI634279, AW300696, AI027708, AW264933, AA135123, BF743362, AA010075, N26912, N98428, AI401636, AW800867, C20943, H16294, AW404376, AI249785, AA135236, N39868, AA731184, AI612798, R93263, H16471, AV742859, AI923037, AA559951, R76656, AI201837, AA810473, AA635636, AI190005, AA081091, AW957038, T16484, AA081249, AA370045, AA961632, AA229775, AW978031, AA230010, AW885820, AI864137, C01543, T46994, R93171, BF509404, AA665667, AW579026, AA872011, AW295123, D31491, BE551201, AV658727, AI890472, BE883591, AI866465, BG167830, AI815232, AI801325, AI866691, AI357664, AI500523, AI538850, AI887775, AI582932, AI590043, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, BF811804, AI289791, AI926593, AW151138, AI889189, AI521560,</p>

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HNFA67	1570	804546	1 - 1511	15 - 1525	AI151287, AW083278, AI572807, AV758491, BE503364, BG255712, AI673065, BG231936, AW271583, AW104026, AW117608, AI569142, AI620262, AI948921, AI538459, AI343865, AW768518, AI824180, AA744141, AI285766, AA909062, AI017880, AW392467, AA491089, AI433358, N63270, BF215123, AA738356, BF590425, AA490903, AW503588, AW406108, BF359141, AI080326, AI524419, C01550, BE774776, AW404442, AI872539, AI333885, AI719792, AI761997, N90339, BF755618, AI610731, BG177649, AW954213, AI857584, BE842345, AF068836, L06633, AC021322, AC021322, AC019201, and AC019201.
HNFCJ77	1571	886185	1 - 2385	15 - 2399	AV720570, AV718718, BF826830, BF828714, AV719402, BG260565, AV718664, BF675224, AL042906, BE300645, AU148007, AV763135, BF736198, AL042905, BE909125, AW405593, AU159301, AI016704, AW504485, AA680243, AI732120, AW975164, AL037910, AI446474, AA573207, AI859834, BE047069, R51308, AW513195, AA569182, AL031276, AC016601, AC004638, Z84480, AL353807, Z85987, AL133153, AL049653, AL354861, AL049776, AP000496, AL008726, AP000512, AC008134, AL031295, AL078461, AL157791, AL117381, AL109965, AC000379, AC007066, AF129756, AC002312, AC006312, AL353194, AL022320, L78833, AL117348, AC002996, AL133174, AL121886,

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HNECO56	1572	849256	1 - 1695	15 - 1709	AV686437, AV648670, BF984258, BE895627,

				BE739425, AW965049, AV654332, AV654040, AV657996, AV687530, AI807430, AI676072, AV752631, AI749532, AW771461, AA837010, AA513783, AV703340, AV697096, AA528036, AI887309, AV657993, BF326048, BF342375, AI452482, AW089714, AI743490, AI590949, AI911647, AI625817, AI819148, BF338083, AW959633, AI924914, AW873028, AI761418, AW152378, AI290928, AW241750, BE739090, AI680714, BE549845, AA485530, AI818810, AI638802, AI735658, AW130312, AV648513, BE048616, AI000556, BE674169, AI669583, AV723049, AI521413, AA039895, N62339, BE175687, AA948166, BF964911, AI091096, AW084946, BF001208, BE175650, AW139663, AA632893, AW972006, AA514221, AL525455, AA235802, AI828293, AW769317, AA865491, AA524664, AI565004, AA470456, AA490345, AW801793, AW073080, AI244948, AW967907, AA602956, AV651326, AV651171, BE768614, AW801959, AA040027, AA640112, AW802210, AV660825, BE967479, AV658505, AA483492, AV660368, AV660148, AA918178, AI276739, AV719094, C02969, AI800154, AV657447, BE768573, AV653913, AA169357, BE932516, AV654867, H26425, T87972, BE768623, AA343477, AA723462, BE932521, R82948, AV657374, AA514889, H83098, AV658871, AI627612, AV657777, BE932464, AV657718, AW819039, BE843048, AI432496, AW819083, AW819026, BF674052, AW802049, H82876, BE180238, BF353320, BE843092, T55847, BE843111, AW819036, AW393133, T55897, AI581370, AW393135, AA255742, AI745229, AW089750, BE843095, BF876213, BF819332, BE006682, AV654227, BE774985, BE857252, AI707637, H45942, AI470335, BE857251, AA343478, AA343718, AI962074, BE843140, AW013816, AA903144, AA731056, AA304118, AA344334, BF378429, BE710793, BF095761, AA603266, AI247243, BF815234, BE932489, BE774974, T10384, AA299545, AA301717, BF911511, AW862032, AV656704, BF911506, AA235803, AW388463, AA169526, AA485373, AA614843, BF374797, BF758954, AV657362, AA587177, BE180247, BE180119, BE932491, AI273850, BF822444, BE908105, AC004686, AX015055, AX014837, AL354751, AC004686, AC004686, AC004686, AC025858, and AC025858.
HNFCY57	1573	877653	1 - 2833	15 - 2847 AV741792, R94860, AW468866, AW176538, R94861, C01539, AW793380, AI954796, AI819545, AI583966, AI590630, AI147877, AI812091, AI274484, AA814517, AI783997, AI950729, AI637584, AI376425, AI866458,

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HNFDL89	1574	823362	1 - 2647	15 - 2661	AI978962, AI857965, AI813637, AI830818, AW247624, BE313817, AI566199, AA770461, BF940602, AI829125, BF219683, AW103050, BE384694, AA564055, BE384171, AA320270, AA515883, T84142, BF569938, BF569945, AA467876, BE278509, AA489330, AA504877, BF974349, U72661, AC006205, AF219626, U91513, AC004019, AL137159, AC004104, AC008403, Z85996, AC008068, AC024571, AL133246, AC006211, AP001717, Z93017, AC007666, AL024474, AC005071, AC005295, AJ400877, AP001721, AF134726, AC016025, AC005037, AC008623, AP001726, AC007225, AC010463, AC005486, AC008012, AC022148, AF196779, AC006487, AC007370, AC006285, AL390760, and AL390760.
HNFD73	1575	566858	1 - 980	15 - 994	AI221663, BF376501, AF035745, AL049715, AL049715, AL049715, AC019250, AC019250, AC007734, and AC007734.
HNFDU92	1576	602933	1 - 779	15 - 793	AW504485, AA577824, AL121235, AW574963, AA410828, AA680243, AI732120, AV734401, AI754544, AI858691, AV762975, AA679936, AI821490, AA633798, BG058664, AA531580, AV763538, AI631119, BG028665, AW157616, AA502104, AV743401, AA708108, N66012, AA603421, AI453714, AA679532, AA491951, AL048626, BF574637, AI521508, AI801141, BE154678, BG105817, AW193741, BF527620, T57774, AU140392, AW069625, AL079869, AA535935, AW008089, BG163541, AW249151, AA774222, AU117926, AI056177, AI554471, AW502237, AA113272, AI310464, AA410788, BE206133, AV760469, BF816106, AI978654, AL043745, AV764334, AL048969, AA613232, AW440545, AW600804, AL134388, AU130725, AA102537, AL527073, AI913324, BG260565,

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HNFDY09	1577	843300	1 - 1468	15 - 1482	BF903524, BF903893, BF898406, BF898154, BF882278, BF893991, BF904014, BF893148, BF893170, BF855708, BF898467, BF895778, BF895777, BG010782, BG008035, BF895786, BF895787, BF895781, BF898466, BF895785, BF895784, BF812368, BF893151, BF736363, BF927874, BF831948, BF870420, BF870425, BF898443, BF895788, AI391548, BF588604, BE066634, BF796079, AL041480, BF895771, BF060860, BF826244, BF592707, AW749090, BF373631, BF831946, BF746681, T18984, BF063469, BF841458, BF747162, BE142131, BF858648, BF997233, AW837869, BF884903, BF900303, BF879070, BE142146, BF917833, BF931001, BE066629, AW812601, AI139612, AI149620, BF951507, BF926436, BF838013, AI971943, BF928428, BF894931, BE078462, BF816102, BF819216, BF987095, BF760350, BG249870, AA315353, BG106424, AW383060, AW383021, BE154549, AW576858, BE154573, BE078467, BE155728, AC010507, AC005627, AL133216, AF109718, AC004987, AF281902, AL137028, AC004842, AC004908, AC004916, AC006328, AC012005, Z96696, AL137655, and AF281908.
HNFDY31	1578	724955	1 - 1322	15 - 1336	AU133276, AL532783, AI928043, BF306264, AW160704, BE884133, AU127297, BE294867, BE019295, BE384780, AL042449, BE885750, BE281247, AL046798, BE883559, AU129911, AI687433, AW505367, BE697192, BE815688, AL046792, N86597, BF084784, AW162209, W79234, BF830906,

					BF541861, BE379861, W78171, BF569617, AI867348, AU077153, AI867357, BE884564, AF000982, AF000983, AF061337, U50553, Z38117, L25126, AF000985, AC004474, AF000984, J04847, AB000878, AC004184, AP000506, AB000882, AB031005, AB018196, AB031008, AC004180, AP000507, D84394, AF086430, and AB031009.
HNFEA17	1579	753242	1 - 2239	15 - 2253	BF981107, BE742476, BE740534, AA279097, AW975501, AI139145, BF828649, AA910673, BF825777, AA004799, BE674765, BE674764, AI076228, AA687372, AA938293, AW337896, AI581193, AW044176, AW271977, BG150706, BF751954, AI358712, AA715814, AA129746, BE062478, AL079734, AV682003, BE062476, AL037683, BF725761, AA704393, AA659232, AV759204, BF868994, AV759518, AI609972, AI334443, AV762645, BF337291, AV763418, AF075343, AV759935, BF681619, BG029528, BF826030, R67086, AW500684, AI755214, AA515728, AW779609, F25761, AI754567, AW855643, H73550, AA535216, BE062545, AI192440, AI061313, AW502873, AI754105, AI620585, AW237905, AI049709, AI793172, AI793209, AI801482, AW576251, AV738383, AI249365, BF678165, AI669421, AV754716, AI744830, AA613923, BF768846, AV760560, AW328331, AL041924, BE148969, AA169245, AV760508, T74524, AL537142, AI628859, BF342223, BE674881, BG249643, BF724699, AW589345, AA297666, AA513551, BF925617, AW963444, T57767, AA515138, AV695478, AA631517, AI612142, AL041706, BF854308, AV734149, BG056992, AD000864, AL022165, D83989, AC011475, AL133387, AC002464, AL035587, AC021016, AC007676, AL109984, AL133545, AC002984, AL117336, AL008728, AD001527, AF196779, AC010605, AC008651, AL110115, AL121886, AC013734, AL109827, AD001502, AC009244, AC005225, Z84487, AC007014, Z84466, Z81314, U07562, AC022148, AC005037, AL031311, AP000689, AC004263, AL049776, AC016620, AL078581, AC020916, AL049748, U95742, AC004662, AP001746, AC005696, U47924, AL133332, AL031602, X54175, AC008482, AC005277, AC006344, AL109952, AC010677, AC006464, AC007739, AC002430, AL109865, AC007055, AC004813, AC004858, AC008101, AC083863, AL022721, AC007384, AC005015, AP001715, AC025594, AC002563, AC006001, AC011465, X55927, AL121932, AC010223, Z82244, AC008379, AL136139, AL157360, AC005678, AF111168, AF109907, AC011462, AC020908, AC005291, AL022322,

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HNFEF55	1580	722236	1 - 1467	15 - 1481	BE736048, BF688845, BG165737, AV700614, BG177768, BF345510, AW168132, AW149412, AW468262, AI920829, AI638563, AI263391, AI751080, AI800743, AI751079, AI251827, AA548754, AW131183, AF001545, AA576709, AA909788, AW339554, BF316533, AA875953, BE300485, AA665727, BE294981, AA085419, BE543967, AI682030, AW089744, AI687752, BF970449, BF904180, BE964767, AI364788, AI566630, BG111850, BG113224, AL041772, AI805638, BF817402, AW303089, BE963035, BF816785, BF816455, AI867042, BF913616, BE061389, BF814541,

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HNFT12	1581	824170	1 - 1254	15 - 1268	<p>AW275699, AI565084, AI251576, AI583466, AI818609, AI306232, AA525293, BE077105, AA601674, AV762430, AW274191, AA714011, AA644090, AA013168, AA904211, AV706448, AV703460, H54601, AV763026, AV763058, AA508036, BF991881, BE062545, BE063437, AW849714, AI635028, AV743799, BE147075, BE148718, AV656063, AW865946, BF744666, AI560188, BE062476, BE062478, AV744179, AI365625, AA526625, BF942976, AW151541, AA056248, BF991882, AI921765, AI812112, BF948286, AA526326, BF724699, AI918419, AI004591, AA493628, AW102811, AI590906, AC009299, AC003106, AP001719, AL117356, AL022578, AC003037, AL135932, AL035447, AC007920, AC005913, AC083863, AC018712, AP001713, AL133500, AC007376, AL356278, AL121655, AL118525, AL133240, AL136981, AC007425, AC006454, Z83822, AL109953, AC026425, AP001712, AC008498, AE000660, AF049895, AC010134, AL121656, AC004973, AF131215, AC017100, AC019100, AC007740, AC005822, AL133319, AC006316, AL078624, AF064863, AC005236, AP001330, AL121755, AL133387, AL121888, AL133380, AC005277, AL049539, AC007842, AC024085, AL354696, AC007055, AC007248, AL035705, AP001690, AL031668, AL034428, AC005304, AL121838, AC010458, AP001747, AC010389, AC005193, AC024083, AC004491, AC005071, AC007619, AL022318, AL359434, AC007130, Z97987, AC010168, AL035427, AF205588, AL031316, AC004009, AC074338, AL133391, AC006354, AP001711, AC004125, AC019117, AC008556, Z83826, AC010201, AC005479, AL353738, AC007450, AL034429, AC010739, AC000114, AP000251, AC005377, AL137061, AC005086, AC007956, AL136314, AP000030, AC007182, AL024474, AL079303, AC018514, AC004859, AL137798, AC006241, AP000211, AP000133, AC005690, AC003108, AL136097, AL049780, AC069536, AC002303, AC009073, AC022073, AC005047, AC023473, AC004022, AL132656, AF047825, AP001746, AC007880, AC006013, AC004673, AL078581, AP001745, AC005627, L78810, AC005682, AL096840, AL049691, AL157718, AC005900, AC005999, AC018719, AL121984, AC005155, AP001693, AL121898, AC003049, AC018448, AC007347, AL118510, AC007868, AC008040, AL121890, AC007881, AL137918, AC004887, AP000085, AL442167, AF224669, AC006582, AL109797, AC013434, AL163285, AC005751, AL031681, AL133382,</p>
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HNFFR59	1582	634649	1 - 1623	15 - 1637	AI524360, AL118823, AA858372, AU118852, BF918433, AW970896, AA665199, AA595499, T11634, AW021917, AW840748, AI590485, AA355379, AI267269, AL118862, BE062135, AW236259, BE065601, AA953238, AA829039, AA814825, AA284071, BE065670, AW179305, AC007388, AC007225, AC006480, AL109743, AL356299, AC008055, AL021807, AP000338, AC006088, AL158198, AL110503, AP000216, AC004825, AC025447, AC007308, AC004002, AP001760, AB020868, AL109614, AF109907, AC007425, AL358777, AC020552, AC007114, AP001715, AL136162, AC004106, AP001705, AC005057, AC024561, AC083866, AC004921, AF111169, AC005384, AF250325, AC005378, AL136358, AC025594, AC003046, AL137072, AC007546, AC007406, AL353802, AC005013, U95743, AP001714, AC006928, AC002470, AC005971, AP000201, AC004887, AC004858, AP000240, AL117380, AC004817, AC004216, AP000097, AL136418, AC005261, AC022542, AL049712, AC004985, AL109855, U52112, AP001753, U91318, AC007739, AC005233, AP002898, AL031291, AC007880, AL035667, AC002375, AL050307, AP001208, AP001330, AC010104, AC020946, AC011490, AL138815, AL121751, AC009060, AC006277, AC006337, U85198, AC005522, AL136305, AL109897, AC005229, AC005588, AC005102, AL024507, AL162615, AL022237, AL031665, AE000661, AC011604, Z68192, AL121927, AC005799, AP000044, AC011497, AC004905, AP001207, AC022517, AC008736, AC005839, AP001716, AP001707, AC007993, AL356801, AC022073, AC005228, AL117338, AC004801, AC011895, AL049872, AL163203, AC020750, AC004974, AC044889, and AC044889.
HNFGC51	1583	862044	1 - 2113	15 - 2127	BF984875, AW604921, AW610418, BF724952, BF341662, AW583832, BF734320, M79048, BF748186, BF748179, AW860207, BG057310, BF801824, BE906239, BE737161, BF885299, BF748432, BF238296, AI908761, AL021707, AF202723, AB014568, AL021707, AL021707, and AL021707.
HNFGFR15	1584	844044	1 - 1537	15 - 1551	AW851821, AA856820, BF941204, AW295311, AW169301, AW152115, BF983604, AW007450, AA278250, AW574823, AI681568, BF928543, BE158799,

FOIA b 7 - Exemption

				AA908224, BE061794, BE179910, BF883012, AI003543, AI952885, AA381216, BF926357, AA984171, AW080062, AI130843, T91691, AA225645, AA668340, M78065, BE158756, BF105184, AL048969, BE158801, AI358928, BE002881, AI803791, AA865915, BF878955, BF981937, AA576944, AA707830, AA887897, AA548890, W02403, AW844636, AW854423, AW979130, AA333000, AW408729, BE280771, BF726780, BE095174, BG060066, AA618412, BG055581, AA046505, AI810979, AW276408, AI491715, AI610751, AA662982, BE161337, BF854456, AW575605, AL036896, BF727111, AV756416, AI469384, AA101564, BF977071, AA501649, AA743445, BE007373, AI890862, AI926104, AV760918, BF914929, AC004134, AC006237, AC005529, AC004216, AC009408, AL162724, AC004492, Z98747, AL034549, AL096814, AC008551, AL136303, AC005859, AP000689, Z98049, AC018684, AC005003, AC022150, AP000113, AC004230, AC011248, AL355365, AC002504, AF243527, AC009530, AL035249, AP000300, AR040667, AC020913, M26434, AL442083, AL080249, AC008687, AL035588, AC005799, AL139384, Z82243, AC008537, AC008524, AP000349, AC004152, AL117380, AC018720, AL031295, AC006028, AC018769, AC007405, AC008733, AC004553, AL022334, AC025472, AC007246, AC009731, AL121984, AC005488, AC008747, AC005988, AP000045, AL121891, AC010267, AC015971, AC004804, AC004659, AC006465, AC010877, AL162293, AC004383, AL031774, AL157413, AL021939, AC005480, AC005527, AC006515, AP001725, AL121929, Z83844, U63313, AL049776, AC005067, AL133295, AC004925, AF317635, AL049833, AC016716, AL109942, AF045555, AC010077, Z81357, AP001666, AL356422, AL138756, AL035071, AL391840, AL031290, AC004032, U95739, AC024563, AC006334, AL121901, AC002365, AC004019, AL109827, AC002070, AC009469, AL035404, AC010719, AP001717, AP001726, AL050335, AC005874, AF134471, AL133387, AC005516, Y07848, AC012318, AL050325, Z68276, U91323, AC000105, AC008039, AL049694, AC004041, AC003006, AC016395, AC010643, AP001721, AC006071, AC007637, AC008805, AL391833, AL022723, AC002096, AC026431, AC003102, AL136084, AC007193, AC007565, AL022336, AC006345, AL158196, AL031985, AL445490, AC004213, AC008379, AL109923, Z84572, AC005524, AC018767, AC020550, AL391122,
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HNFGW37	1585	692528	1 - 860	15 - 874	W22811, AI554733, AC011599, AC018843, AC018843, AC018843, AC018505, AC018505, AC018505, AC018831, AC018831, AC018831, AC022377, AC022377, AC022377, AC011599, AC011599, and AC011599.
HNFGW53	1586	589525	1 - 928	15 - 942	AI254860, AI302974, AV750575, AA299592, AW088531, AA678404, AL031276, U00953, AC008745, AC003010, AC008812, AC007537, U96629, AC005577, AR081997, Z95331, AL138741, U52111, AP001712, M63543, M63544, AC004554, AL021546, AC003689, AL035419, AL357057, AC009486, AC007685, Z82206, AC008738, AC005763, AL133500, AC003982, AB042297, AL035413, AC005901, AC007263, Z98257, AC004084, AC004985, AL035659, AL109965, AC005488, AC005102, AC011445, AC004876, AL022330, AC003695, AC004990, AC002390, and AF053356.
HNFHA34	1587	567287	1 - 1110	15 - 1124	BG024118, BE675179, BE550581, AW297871, AW341399, BE327611, AI650376, BF196466, BF510325, AW450059, AI346128, AI472138, AI983929, R15964, AW293627, N29778, BF970110, AW104285, AW662021, AI262734, AI347329, AI469356, AI290443, AI262322, AA769878, AA757302, N57197, AW962816, C01460, C01438, AA927114, AB032952, T66590, AC011676, AC011676, and AC011676.
HNFDH58	1588	664495	1 - 1156	15 - 1170	AW838792, AW938598, AW176555, AW938570, AW938566, AW062478, AW938564, BE162389, AW938599, AW062479, AW938562, AW176556, AW938595, AW062491, AA251701, AW751601, AW062459, AW062488, AW938568, BE162320, AW062480, AA324351, AW938597, BE162305, BE162377, AA322408, AW863442, BF881375, AV653027, AW879404, BF746158, AA251285, AI254654, BF679710, BF904616, AW022454, R68885, H13487, AL037910, AI916335, BF928297, BF852709, BF933943, BF813383, AV760445, BF877760, AA484307, AI277226, AI732117, AA493898, AA553510, AW022863, N91310, T60175,

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HNHVV68	1589	567445	1 - 1136	15 - 1150	AV654070, AW950258, AV657617, AV701759, AV707806, AW962978, AW964251, AV658784, AV686405, AV726194, AV708609, AV705684, AW960655, AW959980, AV703687, AV705299, AV702296, AV651519, AW959988, AW964409, AW964585, AW949478, AV685536, AW955012, AV658863, AV728360, AV706342, AV707414, AV707632, AV701507,

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HNFI15	1590	898153	1 - 2598	15 - 2612	<p>BF800574, BF992519, BF877061, AL046409, AW327868, AV740801, BF677892, AA581903, AI963720, AA610491, AI284640, BF668217, AI431303, AW193265, BG249643, AV761362, AV760937, AV764307, BF767837, AI305766, AW472872, AW265385, AF330238, AI457397, AW500125, AL046205, AW501386, AI613280, AV763354, AV735370, AI345654, AV761489, AW338086, AV762111, AI350211, AW833862, AV763255, BG109996, AV735495, AL119691, AV710066, AI270117, AW576391, AW410400, AV762395, BF991286, AV763971, AV761786, AI281881, AW303196, AW274349, AW513362, AL047427, BG059568, AV759274, AI298710, AW301350, AW088846, AI696962, AW083402, AW574794, AV760777, AV762064, AA178953, AA192740, AV703682, AA720702, AI801482, AL138455, AV762050, AV763670, AW265009, AV702857, AV763449, AV762397, AV658688, AI061334, BF337291, AL041690, AV762098, AV764241, AL044940, AU147104, AV728425, F36273, AW965008, AA491814, AV760057, AW975987, AA490183, BE046438, BF725504, AI708009, AV757607, BG222267, AA587604, AL118991, BE350475, BF854876, BF697673, AV729809, AI754253, AV761843, AA613227, AW276827, AI379719, AV759507, AW872676, AI860020, AW438643, AI246119, AV762505, BF241967, AV760486, BF541120, AV725423, AW518220, AA714453, AL044858, AV761294, AV762139, AI589230, BG171096, AI821271, BF217299, AA521323, BF792954, BG036665, AV762959, AV731764, AI754658, AV764398, AW974109, AA806796, AV725431, BE742023, BF940837, AW960468, BF724767, AV742057, AL119649, BG231262, AV760257, AI289067, AW975425, AW630298, BE872393, AV762826, BF679274, AI133102, AW270270, AI375710, AI357288, AI471481, AW276817, AI674873, AI801600, AA649642, AW511743, BE881336, AA318157, AW972879, AI053672, AV764578, AA569471, AA513141, BG058664, AI061143, AA680243, AI469968, BE047069, AI745325, AV760774, AI619997, AW072923, BF915247, BF965406, AV728928, AW088616, BF724372, AA521399, AV740711, AL048626, AI358571, AV757425, AW029038, AI633025, AA101689, AI679782, AU160699, BG104686, AI053790, AA503258, AW662543, AW953071, AV733830, AV761188,</p>

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HNFIE29	1591	852233	1 - 1471	15 - 1485	AV720542, AV718976, AI281495, AV659700, AV658950, AC003962, AC008569, AC010092, AC010150, AL161937, AL138688, AL034555, AL133344, AC020978, and AC020978.
HNFIG49	1592	569804	1 - 1552	15 - 1566	AC007005, and AC007005.
HNFJE27	1593	825400	1 - 1624	15 - 1638	AW073385, AV704652, AV701991, BF435882, AA434223, W31126, N57457, BE710106, AV758208, BG254939, BF213137, BG032497, AV716178, BE565565, BF789915, BE874698, BF668812, BF701507, BE881193, BF691904, BF699449, BG109543, BF244610, BE170706, AV716400, BE960612, BE566925, AU123924, AV715623, BE834067, AI302974, BF701085, BE568689, AU133463, BE567236, BF211444, BF571543, BG256561, AA090537, BF241569, AX011687, AK001226, AK002059, AF208851, M63543, M63544, AC009263, AL353668, AC036172, and AC022973.
HNFJG16	1594	610106	1 - 921	15 - 935	AV757332, AC007249, AC007249, and AC007249.
HNGAC71	1595	695746	1 - 614	15 - 628	AA501649, AA662976, AA455670, AA501852, AI354388, AA828062, AA610219, AW847319, BE062135, AW847311, AA857370, AW847327, AW847328, AW970078, AI818231, AA365413, AW805758, AI591375, BF957224, AI733856, AI056177, BG231402, AV745052, AI040051, AW969058, R58559, BF990190, AA630672, BE180171, AU146344, AA811208, AA719073, AU147162, AV764259, AI590906, AV760383, AW950581, H18354, AA599550, BF773559, AW150476, BF438249, AA832175, AA410788, BG250286, AV742240, AA706291, AW068007, AW068008, BE065600, AA503119, AW504299, AW979191, AW067788, BE063437, BF905892, BF921846, AA515728, AI869078, AI933714, BE501593, C05714, AI754431, AA581263, AW341978, BE156651, AW020088, AI244127, BF914929, AA829073, AW023990, AW970537, AA513893, AU122470, AV727466, AL138182, AI669636, AI889440, AA078539,

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HNGAK42	1596	602943	1 - 396	15 - 410	Z78404, AW962045, AA585098, AA585325, AV727848, R29657, AW952430, AW955349,

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HNGAL25	1597	835785	1 - 1395	15 - 1409	AC009113, AC005609, and AC009113.
HNGAT83	1598	825393	1 - 1286	15 - 1300	AA488689, AA811741, AA608602, AA347237, T49784, AA776194, H80919, T07327, AL528261, AA468196, AA372044, AA247676, AA455643, BF855159, H86221, AA827113, AA554257, T03401, AA610826, AA361273, AA077388, AA665532, AA721523, AA179659, BE872273, BF893407, BF893271, BF893473, AW470105, AA355128, AA650068, AA411590, AA557984, AA708651, AA825185, C14480,

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HNGAX06	1599	841890	1 - 383	15 - 397	AV718488, BE151171, BF744137, BE161402, BE161403, BF908662, AW938299, BE151325, BF929360, BE157408, BG009277, BF919509, AV732399, BF914856, N23244, AL044792, AW844141, BE145170, BE065468, BF841217, AW834580, BE070086, AW902139, BE565164, AV732745, AA553602, BE393346, BE157410, BE174480, T04997, AW811854, AA772420, AI886095, BF991314, BE081755, BF829806, BF956036, BF881870, BE065605, AW938295, AW938304, AA018943, AW168309, AI866744, BF806353, BF953663, AA481043, BF807105, AI253370, AA736433, AI920994, BF811850, BE067320, AW572478, BE155604, BF954856, BF964123, AW938300, AW131775, BG030759, AL157534, BE145121, AW902138, AL157598, AA486944, AF074693, AA775755, BE143181, BE067312, BE065599, BF977363, AV709241, BF344952, AW999164, BE184315, BE144643, AW818470, BF848183, BE073602, AW844450, BE083696, BE184316, BF929350, AW937721, AW937815, BF876571, AW834505, AA504312, BE696305, AA628715, AA074660, BF837408, BE155860, AA569643, T07197, BE003425, BE065465, BF839194, AA129985, BF946908, AW440195, H82488, W03511, BF767029, BF931573, BE245825, BF991141, BG000833, AW861625, AW834576, BF744529, AA579202, BE155605, BE144399, AW847202, AW847178, AA128858, AW852540, AW834553, AW834551, AU121228, BE179562, AW847204, AW842262, BF727068, AW842277, BE065597, AV730967, BE144517, BE408894, BF343443, BF032731, BE728951, AA629179, BF907704, BF967102, BF929351, BE143180, N30517, AW853650, BE161398, AW887035, BF987379, AA838082, BF792143, AW968518, BF843657, AL042237, BE147872, AW852539, AW902213,

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HNGBB09	1600	602954	1 - 950	15 - 964	AC008129.
HNGBC53	1601	852239	1 - 990	15 - 1004	AC002492.
HNGBD94	1602	704100	1 - 1096	15 - 1110	
HNGBE44	1603	825391	1 - 625	15 - 639	AA205911, AW572721, AU147414, N66744, AI885896, AI890753, N22395, AU122662, BF805326, BF870153, BF928313, N27422, AW772696, W00376, AV761004, AA668220, BF737926, T94422, T74524, T74338, AI748842, BE069194, T61362, BE069130, AW341955, AA584582, AW935783, AV742310, AC008551, Z83805, AJ132085, AC005701, AL163280, AP000045, AP000113, Z97053, AL162740, AC003106, Z95152, AL109923, AP001717, Z96074, AC004885, Z68756, AC013434, AL121825, AC008649, AF235097, AL161666, AL049539, AL356415, AC002470, AC005666, AL109963, AL121928, AL008627, AL049636, AC008745, AL136223, AC024082, AL049631, AC004996, AC023154, AC007151, AL096801, AC007381, AF031078, AL365444,

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HNGBE63	1604	561514	1 - 1183	15 - 1197	AC004897, AC013273, AC013273, AC013273, AC004897, AC004897, and AC004897.
HNGBI83	1605	566815	1 - 407	15 - 421	AA453558, AA621838, T40308, AI354847, AA506744, AA516058, BG032943, AV731189, AL516507, AV661247, AW600804, AW970909, BF998013, AA284247, AV711991, AA679936, AL079869, AI732120, AA680243, AA577719, BG058664, AU158906, BG028907, AA370455, AW968205, AL120694, AL049759, AL133500, AP001671, U52111, AL136131, AL022318, AL354696, AC024154, AC002470, AC006994, AF240786, AP000351, AL161665, AC007611, AL359954, AC016831, AC005822, AC034186, AC026161, AB023054, Z98304, AC007253, AL353688, AL022320, AF307337, AC009542, AC018719, AC009330, AL109840, AC006120, AL365315, AF067844, AL162430, AC021037, Z99716, AC010102, AJ271735, AC012064, AC022073, AP000517, AC005245, Z84718, AC019187, AC005901, AC008940, Z99297, AC019212, AC008123, AL353802, AC002412, AP001608, AP000432, AC025030, AL133480, AL049834, AL133344, AL161415, AC004027, AP001694, AC004838, AL109865, AP000352, AC009223, AL109759, AP000346, AL133244, AC002564, AL159980, AL109920, AP001700, AC013358, AC018731, AC009484, AL049646, AC006042, AL442166, AC003986, AC005399, AC006480, AC087084, AL163284, AC004189, AC012598, AC006040,

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HNGBJ74	1606	581073	1 - 1098	15 - 1112	AC009276, and AC078847.
HNGBP30	1607	603344	1 - 404	15 - 418	AC016594, AC016207, and AC016207.
HNGBQ61	1608	690885	1 - 745	15 - 759	AC026239, and AC026239.
HNGBS35	1609	768027	1 - 1426	15 - 1440	AC011311, and AC011311.
HNGBW25	1610	560226	1 - 947	15 - 961	AL354889, AC073057, and AC073057.
HNGCF29	1611	580201	1 - 1160	15 - 1174	AI085242, AI440117, AI889245, AA757661, AL042853, AL121963, AL049839, AL035460, AC003071, AL136137, AF196970, AC007029, AC009721, AC008065, AL024508, AL035671, AL049760, AL049779, Z84466, AF200465, AC004525, AC007376, AC005209, AP001693, AP001748, AL121920, AC005080, AC010605, AL163280, AC008372, AP001718, AC006038, AP000194, AC011815, AC005520, AL163207, AL031281, AL050309, AC006160, Z82244, AC006239, Z97056, AL121963, AL121963, AL357141, and AL355373.

HNGCF64	1612	823147	1 - 1925	15 - 1939	AW889917, AC006064, AL121586, AC007383, AC016602, AC004131, AL035400, AL139188, AL109976, AC010605, AL078645, AL034351, AL080243, AC005899, and AC023965.
HNGDF54	1613	702002	1 - 717	15 - 731	AL040886, BF883059, BF884884, BF883068, BF883071, BF882589, BF930520, BF935211, BF881232, BF883065, BF880157, BF881224, BF987728, BF880154, BF881234, BF928619, AW889800, BF883050, and D88108.
HNGDH22	1614	600365	1 - 1360	15 - 1374	AJ243297, AL022344, AL022344, AC010864, AC010864, and AC010864.
HNGDH27	1615	581074	1 - 986	15 - 1000	T05833, AA535406, AW847319, AW847311, AW847327, AW847328, AU147104, AA534010, AW002350, AV736964, AW265170, AW857802, AA428792, AW973098, BG002922, AU121243, AA326372, BF030591, BE147678, BF994337, AU145314, AA188670, AV696127, BF846782, AA297769, AI254913, AW149313, AA547947, BE168987, AA995496, AA468022, BG223141, AA483223, AI963720, AV760566, AU147800, AA581903, AU123691, BF738242, AI798266, AA533303, AW268300, AV733824, AI866160, AW965008, AI174766, AA503015, BE156019, BF742624, AA493708, BF680360, BF811714, AL139350, AC008969, AC004129, AL390738, Y10196, AC005368, AL049832, AP001690, AP000476, AL136166, AL157789, AC002367, AF248484, AL022165, AC002477, AJ251973, AC009298, AL163207, AC005146, AC005598, AF241734, AL132795, AC005731, AL133415, AC019173, AL391358, AF003627, AC020744, AC025463, AL121877, AL138820, AL049778, AC008124, AL034384, AL160192, AL161753, AC005870, AC010977, AJ229043, AL136991, AC020750, AC008372, AL352976, AC003665, AC006581, AP001694, AL162414, AC006355, AC020606, AC008083, AC005877, AC002091, AC006568, AL133448, AP001730, AP000517, AC005751, AF195953, AC000003, AP001721, AC005048, AC009481, AC005684, AC006479, AF225898, AB023054, AL356280, AL035091, AC022201, Z97055, AC005913, AC002542, AL139328, AL135749, AL391259, AF238380, AP002015, AC004242, AC006238, AC005886, AL136231, AL031432, AL049871, AC034199, Z82198, AC009028, AP001598, AC006050, AC005155, AC004472, AC009123, AL021408, AC011299, AC004554, AC008115, AC005157, AC002350, Z83822, AP001697, AC023275, AC005150, AC009731, AL008706, AP001676, AC004216, AC006296, AL023581, AC004945, AF285443, AL160284, AC009609, AC010771, AP002394, AP001098, AL360154, and AL360154.

HNGDN07	1616	847081	1 - 1108	15 - 1122	<p>AW793601, BG231195, AA483022, BE006115, BF726780, AW975434, AW238137, BF981948, AV683406, BE152006, AU158570, AW419201, BE154761, BE243879, AA516038, AV758849, BE154704, AA525818, BE244722, AW327673, AA199578, AA489390, AL048060, AU120423, AI640717, AA631512, AA720531, BF887136, BF993627, AW504667, AA768079, AW057760, AI039257, AW072963, AI275989, BF770872, T94247, AA515165, BE273825, BG114817, AL133861, BE408582, AA425283, AU146789, AA639040, AI300608, AI500151, BF855492, AW501278, AW958558, AW078646, AL048090, AA324108, AA229113, AA229127, R22664, AI547110, AI369977, AI678468, AA533660, R22663, AL121751, AC005695, AC005231, AF091512, AL009179, U07563, AC005606, AC003041, AB000931, AC008379, AL121675, AC006285, AC002314, AC009756, AL136418, AC012309, AC005102, AL031680, AC020603, L77570, AC018360, AC006162, Z69366, AC004000, AC020916, AC005031, AL080250, AC003043, AC015651, AC016025, AC003689, AL035454, Z98742, AC005553, AC007375, AC011484, AC005082, AB032485, AL137162, AL050328, AL133448, AC006064, AC005726, U80017, AL121891, AC006329, AC012067, AL049795, AL162430, AJ009610, Z84469, AL021918, AC006205, AC005900, M34462, AP001060, AF207550, AC018642, AC020904, AC002558, Z95703, AC008896, AL159168, AC005041, AP000099, AC007308, AC010205, AC016995, AL109797, AL023584, AC008044, AP000036, AC008521, AC005800, AP001743, AL137060, AC018738, AC078899, AL121655, AC006509, AL121881, AF015416, Z97630, AC004263, AL356575, AC008687, AC000353, AL008582, AL353748, AL133163, AL157952, AL109965, AJ011930, AF153836, AL121758, AC008250, AL020997, Z83844, AC005971, AC004943, AL441927, AC006211, AC008623, AL163300, AL357560, AC005914, AL109806, AL035457, AC011475, AF191214, AL021391, AC022407, AC008392, AC002369, AP001753, AC011479, AC004089, AC008155, AC005531, Z97056, AC008626, AC011495, AC005000, AC007739, AL121574, AL035450, AL117381, AC007722, AL035086, AC005412, AC010422, AL031286, AC011510, AL133353, L78833, AL049569, AL118525, AL157938, AP000503, AL158815, AP000553, AC009487, AL157789, AC006417, AC004462, AC005696, Z73359, AC024084, AL132987, AB000565, AF225899, AC006449,</p>
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HNGDO65	1617	830724	1 - 982	15 - 996	BF970561, AW958487, AW292761, AI920953, AI986435, AI871142, BE219262, BF446527, AW190469, AI924003, AA835652, AA609913, AA740825, AA427625, AI553929, AA994071, AI002421, AW169326, AI493843, AI924013, N35612, AA394144, AA976013, AW512745, AI432011, AA879100, AI829010, AI241087, AA814747, AA831024, AA722772, AV653605, BF446148, BF884974, BF093184, AW893360, R22391, AA856663, AW955590, BE244922, AA309650, R21825, R22375, BE934295, AA481964, AA057478, R21838, N91849, AA362870, AI302309, R68441, AW438943, AA088917, AW794636, AA399147, W31271, AW104801, BF969356, AW577696, BE765066, U81559, BF093179, BF091713, BE539339, BE073808, AL358933, AL391990, AL390721, AL390721, and AL358933.
HNGDR39	1618	590253	1 - 2097	15 - 2111	AL163932, AC020772, AC022047, and AL163932.
HNGDW78	1619	621295	1 - 459	15 - 473	BE439710, BF197893, AA777622, H12071, BF928528, AI701379, AI669514, BE144817, BE144844, H30475, AC006544, AL031733, AC005668, AC006509, AL133500, AP001709, AL078612, AB001523, AC011495, and AC009363.
HNGEA90	1620	861948	1 - 1464	15 - 1478	BF962813, BF957344, AC021339, and AC027110.
HNGEC17	1621	825392	1 - 587	15 - 601	AC023300, and AC023545.
HNGEE06	1622	689506	1 - 1106	15 - 1120	AL031009, AL353748, AC008784, AC005103, AC010289, AC006203, AL096814, AC011490, AP001714, AC007934, AL034422, AL096791, AC005011, L81902, AL356299, Z82244, AC005213, AJ295844, AC011529, AC010271, AC020917, AL139095, AL031009, AL031009, and AL031009.
HNGEF70	1623	612780	1 - 741	15 - 755	AC009828, and AP001774.
HNGEF72	1624	880975	1 - 2374	15 - 2388	AV728257, AL044543, BG030787, AV726406, AI791864, AV712960, BE777852, AV762135, AV727816, BF840910, AV716692, AI792362, AV723548,

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HNGEI64	1625	732066	1 - 1231	15 - 1245	AI807475, AL049796, AC003083, AL355382, AL442643, AC026398, AC007245, AC002412, AL109837, AL022577, AL353573, AC011715, AC011715, AC036155, and

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HNGEJ33	1626	610108	1 - 417	15 - 431	BG000807, AA403197, AF205890, AC007914, AC007914, AC007914, AC069179, AC069179, AC008916, and AC008846.
HNGEK64	1627	825384	1 - 997	15 - 1011	AL357508, and AL357508.
HNGEN32	1628	621308	1 - 555	15 - 569	BF959835, BE139267, AA984114, AI733856, AW817932, BE139358, AW858650, AW474838, AA581263, BE062476, AV759632, AV762033, AA845848, AA761623, AW867719, N23913, AI865213, AL040054, AV758903, AL037771, AA702605, BG029528, AV764334, AA565426, AV762982, AA721645, AW576287, AA858372, AI635440, BF871659, BE885691, AV757289, AA613624, AA372312, AW863393, AA737039, AA643770, BE007886, F00564, AA908431, BE085529, AA464739, AA602906, AL038606, BE158716, BF922001, AW500250, BF678990, AA502532, AW021917, BF964699, AV762979, AV703785, AW148507, AW970877, C15363, AW271904, AA737404, BE156532, H51898, AV656851, N72170, AW504485, AV762047, AW515437, AA807583, AA515728, BE159466, AL038842, BF917602, BF902572, AV759557, F08248, AA622801, AI254779, AW270258, R95840, AI554471, AA533176, H60249, BF750422, AV758989, AW271977, AW971114, AV761862, AA916430, AV701116, AW815198, AL048275, AW021583, AA128511, AA526326, AW302315, AL042906, AA832444, AV763026, AV763058, AV740621, AW302705, F30158, BF914806, AA633798, BE007890, BF851883, AC011445, AL360227, AC008760, AF254983, AL139343, AL117336, AL163201, AC020916, L44140, AC004491, AC007954, AC005067, AL121774, AC018758, AC008569, AC011473, AP001716, AL080249, AP002534, AL135839, AC005500, AC011464, AC006538, AC002287, AC006334, AL136418, AP000688, AL049569, AC004804, AP001595, AC005098, AL355871, AC006254, AC007597, AL049832, AL163246, AC005751, AC007842, AC005783, Z82189, AL138787, AC008543, AF196779, AC005080, AC007182, AC004166, AC003101, AC011290, AC005522, AL136526, AL050335, AC008083, AC004898, AL109627, AL096870, AC009731, AL354816, AL035423, AC010203, AL022334, AC018751, AP000356, AL359272, AC005316, AP001725, AP001705, AC007731, AC011811, AC008474, AC010358, AL157838, AL138960, AC002558, AC024563, Z98750, AL137228, AL034417, AC008403, AL049830, AB003151, AC069247, AC005516,

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HNGER85	1629	825373	1 - 1209	15 - 1223	AC004914.
HNGES90	1630	853583	1 - 1612	15 - 1626	AC023116, and AC074371.
HNGET33	1631	825378	1 - 1333	15 - 1347	AU147226, AA812058, AI174827, AL046620, AU145155, BF901147, BF892846, BE049409, AI457152, AI538404, BF942991, BF944618, AI567676, AI884404, AW157128, AI860423, AU155227, AI819419, AV763460, AI038029, AW731858, H47461, BF724416, AA618531, AA632355, AA636077, AA554289, AW504667, BF445745, AW576388, AI798521, AW514844, AI733523, AI570067,

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HNGEX18	1632	621339	1 - 727	15 - 741	AW949642, AW965158, D80045, AW949643, AV738340, AW949645, AW966330, AV742732, D59927, D80391, AV720203, D80195, AV720731, D80253, D80196, D51423, D59619, D80210, AV719783, AV718489, D80240, AV719822, AV718692, D80193, AV720464, D58283, AV718844, D80227, AV699447, AV699927, D80022, AV724520, D80219, D81030, D80043, AW964468, AV722801, AV720211, D80366, AV699550, D59889, AV720812, D80188, D51799, AW973447, AV723927, AW959570, C15076, AV719324, D80038, F13647, D80378, D59275, C75259, AV718770, AV723097, D50995, AV700229, T03269, AV742001, AV742667, AV701125, AV701335, AV701043, AV701332, AV701017, AV701248, AV701431, C14014, AV718800, AV700889, D51250, D80134, AV701419, AV741220, D81026, AV719468, AV701130, AV701166, AV701154, AW978634, AV705869, AV721386, D59467, AW949641, D59787, D80949, AW949632, AV701443, C14227, AV699479, AW949633, AV719000, AV701428, AV701149, AV701344, AV719913, D80168, AV745080, D80212, AW949629, AV701021, AV701415, AV701224, AV720220, AW949653, AW949658, AV743601, AW949656, AV699746, Z21582, AW966531, AV721784,

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HNGEY45	1633	621331	1 - 948	15 - 962	
HNGEZ02	1634	825376	1 - 929	15 - 943	AW275585, AA489939, AA480561, BF887136, AI285651, BE161469, AW057760, AA648942, AW072963, AI086603, AW630599, BE677227, AL138119, AA280886, R22196, AI038990, AI935827, AI446424, AI754064, AW500532, AA731859, AW855729, AA360082, AI174703, BF792103, AW275640, AI952885, AA425283, AW080062, AW935456, BE967607, BF748493, AA584360, AA330435, AI869406, AV683406, BG231195, AW802912, AI300608, AI183727, BF812696, AA548811, AA489390, BG230829, AW342042, AW963785, AA086391, AW975247, H66812, BE171849, AA345665, BE154761, AA016062, AA370761, AI823395, R43468, AW850089, BF530611, AV695910, BE974200, BF698734, AI623505, AI271693, BF933309, AA551580, AA826079, AU151751, AA018175, AV704185, AW169183, AI028148, AI275989, BF770872, AL043285, AW964164, AA021421, AA640305, AI433262, AW750527, H86246, BF958025, BE154704, AL048969, BF346854, AI274462, BE744372, AL049553, X94359, AC005535, AB032485, AF229986, AB000931, AC004922, AC009362, AL109806, AL158815, AC004835, AC006132, AL035460, S45332, AC002985,

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HNGEZ90	1635	634858	1 - 1106	15 - 1120	AA167509, BF858645, BE139139, AI250552, AI284543, AI254770, AI251284, AI251034, AI251203, AI223626, AI669637, AI251241, BE042006, AI871970, BF063839, AA736485, AA363103, BF346850, AW959524, AA911992, BE139133, AA565911, AI369580, BG258651, BF063844, AA664879, AI890794, BF983617, AI561210, AW571963, AA632508, AC008569, AL121891, AC011479, AC004876, AL049776, AC008738, U91318, AP001717, AC018720, AC005231,

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HNGFA25	1636	609887	1 - 388	15 - 402	AA601340, AC015804, AC015804, and AC015804.
HNGFB05	1637	608297	1 - 200	15 - 214	AC010600, AC010600, and AC010600.
HNGFD30	1638	612782	1 - 556	15 - 570	AW161640, AI422074, AI087203, AI348189, AI080077, AI278825, AI359963, AI223214, AI292023, BE857105, BE855741, AW003844, AW967554, AI797910, AW966936, AI494222, BE745548, BF688926, AI356252,

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HNGFD31	1639	663532	1 - 1797	15 - 1811	AA429817, AI065030, AA569586, F16764, AL117334, AL049591, Z93020, AL161627, AL391683, AL022322, and AC006449.
HNGFD61	1640	612781	1 - 448	15 - 462	AL049873, AL049873, AL049873, AC009959, and AC009959.
HNGFG04	1641	772548	1 - 520	15 - 534	BE834528, AI760954, and AJ005821.
HNGFG74	1642	826457	1 - 997	15 - 1011	AC048373, and AC048373.
HNGFH32	1643	826458	1 - 1651	15 - 1665	AL356956.
HNGFH83	1644	636021	1 - 949	15 - 963	AP000345.
HNGFI21	1645	581075	1 - 1559	15 - 1573	AI199191, BG058551, AI887467, AW044373, AI679108, AI696879, AI285370, AI338149, AI564237, AI160241, AU149174, AW008461, AW162104, BE221258, AA290615, AA588069, AW518903, AI932281, AI986168, AW082046, AI754797, AI829943, AI801436, AI126494, AI935906, AI679683, AA630308, AA778317, AI797315, AA179797, AA603438, BE884745, BF433546, AI817009, BE870150, AI418125, AA421955, AW262652, AA421956, AW193207, AA019918, BG168580, AA962614, AW083511, BE247792, AA834884, AL527866, N71285, AL527953, AA541275, AA464170, AA047232, AA018107, AA628363, AA620345, BF343438, BF942428, BE671505, AL525677, AA024769, AA224417, R22069, AA019399, T53604, AW574720, N26857, AW601398, AA013458, AA219558, AA321592, AL528985, R93814, AA535866, BF736392, H86464, AA488180, R37734, AA024770, AW601390, AL526238, AI492219, AA846273, AI702693, AI784201, AA214508, AW263271, AA642258, AA733142, BG057862, AA021281, AI380213, AI744137, AW881374, AA620351, BF055855, AI343094, AI376485, AI247044, N55961, AI344162, AI344098, AI270823, T35480, BE794554, AA582481, AI581209, AW439847, AI250646, BE622953, AA127348, AW263006, BE904043, BG024666, X99720, X97124, A69606, AF273750, AL035413, AC005803, AC004152, AC000365, AC003083, AC004253, AC004590, AC008958, AC004594, AC005231, AC011891, and AC004226.
HNGFM31	1646	567422	1 - 1347	15 - 1361	BF511280, BE045402, BE217914, AC005069, AC004836, AC005069, AC005069, AC004836, AC004836, and AC004836.
HNGFN77	1647	842620	1 - 1029	15 - 1043	AA085043, AF053356, AC020913, and AC011895.
HNGFQ18	1648	566865	1 - 1099	15 - 1113	Z61541, AF276756, AF276756, AC021500, and AC021500.
HNGFR54	1649	695748	1 - 481	15 - 495	AC007316, AC007316, and AC007316.
HNGFT70	1650	581079	1 - 1085	15 - 1099	AV762633, AI251034, AW970571,

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HNGFU70	1651	610109	1 - 656	15 - 670	
HNGFV39	1652	859476	1 - 1346	15 - 1360	AL357833, AL357833, AC018666, AC018666, and AC013756.
HNGGF13	1653	638117	1 - 826	15 - 840	AC004637, AC068475, AC068475, AC004637, and AC004637.
HNGGK63	1654	822862	1 - 1576	15 - 1590	AJ133424, AC023789, AJ251154, AJ133428, AL135841, AJ133427, AJ133426, AJ133425,

					AF091565, AJ233800, X89690, AJ233795, and AL138834.
HNGGK65	1655	847148	1 - 163	15 - 177	AA663171, AC009098, AC009125, and AC009033.
HNGGL11	1656	745818	1 - 1000	15 - 1014	H53285, H54253, H52398, H95564, H53284, H54252, and AL137780.
HNGGO05	1657	842158	1 - 1256	15 - 1270	AC017018, and AC017018.
HNGGS92	1658	866178	1 - 1086	15 - 1100	AC021835.
HNGGT10	1659	866179	1 - 1459	15 - 1473	BF570301, BF570370, BF569876, BF569788, BF001664, BG222351, AI685254, AW475034, AI828888, AI127994, AA614299, BF337229, AW083523, AI086753, AI308077, AI679039, AI689113, AI479240, AA411341, AI829066, AI344399, AI191086, AA179424, AA707080, AA514664, W40585, AW175921, AI289419, BF447793, AW291942, H03286, H03287, W92245, R24206, AA410523, AA599408, AI422941, Z40086, W40561, W92244, AI768006, BF800911, F04463, AA299393, AI537814, AA182723, AW270255, H50970, BG223537, AI701958, AW516631, AI057502, AA483606, AW150838, AA570740, AF277719, AC011445, AC018641, AC004841, AF134726, AL162430, AL162424, AC004837, AC005368, AF111168, AC004087, AC073898, AC007052, U85195, AC008403, AE000658, AC004491, AC009086, AC005581, AC002544, AL136000, AC004263, AP000107, AL035659, AL162414, AC007655, AL354696, Z84466, AC004832, AC003101, AC004099, AL109797, AC011489, AC004031, AC011479, AL359272, Z86090, AL365505, AP000039, AC007688, AC004965, AP001715, AL096814, AL133551, Z85996, AL080314, AC000025, AL133174, AC002299, AC020916, U91322, AP000498, AC003036, AL121978, AC004895, AC008745, AC007425, AC007993, AC024561, AL109823, AC008474, AF053356, AL022336, AL117344, AC005231, AP001725, AL133293, AC003098, AC005180, AL023879, AC004531, AC004815, AL035683, AC004000, AC007384, AC002059, AP001727, AC020913, AC004876, AC011465, AP001717, AC008521, AC011451, Z97054, AC005899, AP001711, and AC009953.
HNGGT74	1660	772549	1 - 1277	15 - 1291	AV708992, AV727822, AV709256, AV726590, AW950434, AV725618, AW952403, AV659389, AV659294, AW951239, AV654908, AV698429, AV692972, AV685688, AV689800, AV693005, AV687909, AV654070, AV702728, AV709314, AV653353, AV708381, AV651920, AV659322, AV706223, AV704234, AV725956, AV650315, AV658258, AV702385, AV725745, AV705530, AV707933, AW950443, AV707654, AV728148,

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HNGHB89	1661	722238	1 - 568	15 - 582	BF363002, X93495, AJ002556, Y14754, Y16008, Z63963, AC011256, AC011256, and AC011256.
HNGHD07	1662	608149	1 - 1205	15 - 1219	AA884095, AA662127, AA284245, AA936759, BG113956, BF972053, AA662091, AA749335, AI262774, AA618559, AA316868, AI188504, AA813254, AI311114, AA831972, AW269654, AA457687, AA635515, AI147989, AI289658, AI167696, AA923311, AA576584, AI129367, AA618512, AI658752, AI383703, AI183304, AA865786, AA972441, AA923310, AA586736, AI911170, W79424, AA306255, AI261940, BE388975, AI284345, AA579889, BG177809, AI869203, AA876769, AA935898, BE795401, BE390251, BE560964, AA187225, AA534621, BG121391, BG163595, AA532392, AI829604, BF342224, AL522299, BF689441, BG177929, AI306394, AA576043, AI222593, F37167, AA513266, AA993011, AI023548, AW891753, AA640000, W51747, AI376866, AW891825, AA715011, BF690386, F29072, BF337990, R17422, AA878407, AA308655, T33961, BF955214, T33962, AL041019, AL041018, AC007559, AL020997, AF086210, AL157789, AC004882, AC005529, AL162831, AP001727, AL356299, AL162740, AC010463, AL022330, AC004032, AL133453, AC004673, AL161757, AC005794, AL031432, AC008064, AC005539, AL031321, AL117352, AC010271, AL031681, AC005696, AC007774, Z84814, AC006581, AL136131, AC020916, AC008569, AC005519, AL137796, Z54147, AP001412, AP000010, AP000152, AC005736, AC008764, AC008068, AL031283, AL031431, AL121712, AL049776, AC005520, AC005005, Z84466, AC006312, AL050335, AL353812, AC001234, AC018682, AC006511, AF001549, AF060568, AL355392, U36478, AC004070, AC016943, AC007559, and AC007559.
HNGHK37	1663	609889	1 - 1529	15 - 1543	AC023177.
HNGHM47	1664	825363	1 - 803	15 - 817	AC005871, AC005658, AC005871, AL158078, and AL356419.
HNGHT01	1665	604865	1 - 815	15 - 829	AI377306, AP002395, AP002395, and AC022695.
HNGHT86	1666	897685	1 - 769	15 - 783	AW949643, AW965158, AW966330,

					AW964468, AW949642, AW964532, AW966389, D80045, AW960921, AW978648, AV702035, AV744033, D80188, AW973330, AV726812, AV719468, AV718800, AW973445, D59275, AW966399, AW966333, AV744659, AW960465, AV720878, AW973307, AW966059, D51799, C14389, AV700357, AW966369, AW965163, AW973474, AW975618, AW966531, AV720150, AW978634, D80248, AW959202, D59859, AW973490, AW959799, AW966053, AW965177, AW966398, AV718489, AW966029, AV719557, AV718707, AV719822, AW966386, AV720616, AW966331, D80166, AW966075, AW966065, D81030, AA305409, AW959136, AW975613, AW973334, D80268, D51423, D59619, AW966534, AV718692, D58283, AW978661, D80210, AV720151, AW960553, D80240, D80253, AW973541, AW973488, AW966022, AV719324, AV718938, AV718633, AW966400, AW975605, AW966378, AW949632, AW966013, D80212, D80366, AV701839, AW949629, AW966342, AW966329, AV720211, AV718931, D80022, AW966368, AV721386, AV720731, AW966041, C14331, D80164, AV699447, AI525903, AW973473, D80195, AW966397, D80038, AA305578, AW960473, AW958993, AV722801, AW975621, AV723927, AW966385, AV699866, AV720533, AW966062, D57483, D59467, AW959597, AW952852, D80219, AW949656, AW966388, D80043, D80391, C14014, AW959062, D80024, AW966030, AV720791, AW975623, AW966054, AV720203, AW959570, D59610, AW964756, AW966050, AV719188, D59787, D80227, AA514186, AW973447, D81026, D80269, D80439, AV718440, AV719783, AV720028, D59502, AW959628, AW965175, AV718844, AV724520, AW973482, AW965185, AW965197, AW965196, AW973485, AW965184, AW952839, C15076, D50979, AW958992, AW962395, AV720464, D59889, AV718770, AV719049, AW966332, AV699927, AW965153, AW956397, AW950578, D80196, AV699550, AW966377, AW962082, AW966380, D80133, D51022, AW964477, AW956434, D80522, AW964488, AW949641, AW960454, AW949654, AW949498, AW959469, D59927, D50995, D52291, D51079, AW973326, AR070327, AX047064, A84916, AX047063, AR018138, A62298, A62300, AR092424, A82595, AX033851, AR087649, AR008278, AB028859, AJ132110, AX014811, AX027925, AF058696, AR016808, AB002449, AR060385, AR008277, AR008281, I14842, AR054175, AR077702, and I79511.
HNGIH40	1667	638119	1 - 564	15 - 578	N22787, and AC007346.

HNGIK07	1668	825360	1 - 1128	15 - 1142	AL516469, BE271661, AI693868, AI492920, BE350805, AW291727, AW274467, AA912620, AA868311, AW249145, AI827946, AW341726, AA378476, AW172346, AI971242, AA631112, AW274383, AI168080, AI139964, AI468759, AW104902, AC005534, AC005534, AC005534, and AC005534.
HNGIM40	1669	747699	1 - 2464	15 - 2478	BE702680, AW904921, F07475, H05560, AW160882, H05552, AL534296, D56343, BF977411, H96243, AC002452, AF123074, AF063228, X66845, AF063230, AF063229, AC002452, and AC002452.
HNGIM83	1670	751714	1 - 1078	15 - 1092	BE814802, AA218565, BF109567, AL045675, BF082984, AW341978, AA654781, BG000961, AW965058, AI367551, BF760919, AA463590, AI362442, BG152753, AA828153, AI732120, AW963542, AU157238, AA552856, R83708, AW340905, BF805397, AL043676, AB012130, AF053755, AF089726, AF047033, AF070475, AF069511, AF080106, AC006271, AC021036, AC002350, AC008403, AP001752, AL035683, AC010618, AL139331, AL133548, AL022320, AF168787, AC005098, AC006211, AC006312, AC002351, AL031281, AC018758, AC027319, AL136362, AC004166, Z93241, AC008101, AC005261, AC009756, AC005722, AL355392, AF235098, AC005225, AC004967, AC006050, AC005037, AL138878, AL132777, AC005800, AC005484, AC005020, AL137798, AL133387, AC007570, AC007384, AC005280, AP000557, AC008760, AC004765, AC005821, AP001745, AC011510, AC009516, AC006101, L44140, AF003626, AC007954, AL357057, AC011450, AC011811, Z84469, AC003108, AL096775, AC004099, AC007283, AC011462, AC003950, AL121601, AL133264, AC007344, AL133245, AC010422, AC006064, AC004386, AL022165, AC004963, AC008155, AL357497, AC005288, Z93930, AC011475, AC016830, AC009953, AP000466, AL031291, AC004000, AF196779, AL133262, AF038458, AC000034, AC016898, AL162424, AC007055, AL035089, AC005399, AC009955, AL033529, AC007786, AC005262, AF031078, AC007673, AP000134, AP000212, AC011449, AC000085, AC005154, Z80901, AP001712, AF030876, AC004805, AL138836, AL049843, AL035398, AC007151, AL049780, AC010463, AC007011, AC003963, AP000552, AC008569, AC011500, AL157838, AC006965, AC023490, AL049576, AL138976, AC022078, AC005081, AC009948, AC020552, AC005900, AP001695, AL021391, AL158198, AC016027, AF064861, AL135905, AC005000, AP000555,

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HNGIO93	1671	897527	1 - 832	15 - 846	BE799435, AV702534, BE794927, BE795003, AV704454, BE795596, BF034262, BE798450, BE909700, AV714981, BF035177, BF515934, BF315576, BE788136, BE621398, BG250504, AW051303, BF684450, AI160442, BE621915, BE538456, AI675163, AI417410, BF589351, AI188724, AI149310, AI126861, AI949608, BF665678, AA772316, BF673593, AI333419, W05636, AI147464, AI159779, N36565, AI193857, AI808171, W81261, AA156841, AA987272, AA779534, BF229416, AI203946, AI088553, AI147633, AA723186, AA458523, BE909223, AI148793, AA151036, AI190133, AW136090, AA150985, N67749, AA025956, AI091251, AI128528, AA525973, AA150928, AA150938, AI494503, BF732267, AA889980, AI015920, AW273369, AA813501, W81335, AI347389, BF111495, AW404642, BE048039, BG231580, W69555, AA806495, AU156983, AA716232, AW247091, AA536057, AI023538, AI160615, AA025768, BF111409, BF541650, BF908337, AA526626, BF083140, AI004543, AV733184, W03593, AI022607, BF380089, AV761063, AA503958, AA962262, AA516362, AI635460, BF907051, AA730333, W69266, N80199, AW265401, AA373044, N32922, BF907054, AA774485, BF431740, AA341135, BE811165, T30218, AV743027, AA641289, AI022762, AI636840, AA992404, BE811192, AI675588, W88848, W81336, AI283855, BE811133, AA318712, AI262717, AW797473, W38490, F35937, AA344784, BE811195, R42876, AI185384, BE811199, BF083146, AA513218, AA579739, BE073215, AU137016, AW079571, AL537644, BF325754, T16491, AA543048, N77883, W88752, N42066, R21493, AI269143, T05161, AW800835, W81193, AI674400, AA355413, H22398, AI572961, F34997, AA973177, AA889985, T20101, AV739889, AV740655, AV742822, AV739410, AV742913, AV738693, AV743365, AV741644, AI348980, AV740619, AV736125, AV743895, AV739545, AL048673, AL048672, AV741586, AL048657, AV739945, AV739631, AV738096, AV739298, AV744155, AV743584, AV741326, AV736661,

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HNGIS27	1672	825351	1 - 616	15 - 630	AL158052, AL158052, AL158052, and AL353598.
HNGIU16	1673	826717	1 - 2507	15 - 2521	AW965206, AL040914, N95083, N35184, AV749695, AW772501, AI554077, AW591390, R86229, BF670238, AI460174, AW189323, AW469041, BF984263, BF576337, AW137960, AW501278, AI572680, AA564407, AW631267, AI732327, BF970107, BF855695, BF589864, AI002950, AL044966, AI254267, AA493464, AA828840, AW975239, AV763460, AW148964, AV743067, AW979200, AI003086, AW813775, AL121039, BG180320, AI702049, AV733634, BG059139, AW963295, AI433952, AI078409, BF814446, AI925588, AW265468, AA135761, AI905408, AI434103, AA768079, AV720226, AV719654, AI167715, AL039117, AW238137, BF770872, AW468128, F30310, AW277240, AW518882, AI792586, AI792498, AI312267, AI345166, BG059924, AV760960, AI620014, BE065048, AI252611, BE139452, AW410844, BF445745, N49298, BE152006, AI791408, BE155462, BE138757, AV762112, BG004739, AA629668, AW162314, AI053657, AI054287, AI571094, R53536, AW192930, AW020198, AI791720, AW182182, AL138262, AI859618, AC007970, AL359833, AF053356, AC005186, AC018764, AC009517, AC008752, AC083860, AP002026, Z73967, AL022316, AC003043, AC017020, AC004385, Z84470, AC064878, AC003085, AC003082,

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HNGIX91	1674	564574	1 - 1461	15 - 1475	AI284640, AW303196, AW301350, BF677892, AI696962, AI133164, AV762098, AW576391, BG249643, AL120687, AW419262, BF965007, AI281881, AW965008, AW270270, AV729809, AW274349, AI334443, AV760777, AV760466, AA581903, BF697673, AW502975, BG059568, AW193265, AV730310, BF668217, AL046409, AV757607, AV728425, AV710066, BF241967, AV735495, AF330238, AV730952, AI350211, AV742057, BF984160, BF130107, AI457397, AI473943, AI613280, BG236735, AV725423, AV702857, BF680639, AW021583, BF684828, AU145393, BF679304, BE049095, AA490183, AA680243, AV725627, AW407578, BE160727, AW265385, AL119691, BF311000, BF681427, AV762139, AV760937, AW969629, AW265393, AI192631, AW969988, BF725504, AW872676, AI345654, AV759505, AW238278, AL042420, AV759172, AA521323, AA491814, AV762395, AV759518, AI732120, AI754253, AA652764, AW500125, AV741609, AV742309, AL041146, AA521399, AW974109, AW467362, AW630298, AL138265, AI064864, BE872393, AW833862, AW327868, BE160516, AV740801, F36273, AA525190, AV764578, AV762571, BF724372, AV742337, AW103758, AV658688, AW979060, BG222267, AI148277, AI564185, AW474299, AI754658, AI561060, BF793766, AV733830, AU145314, AV763354, BE672637, AF074677, BF813686, AI754336, AV762154, AL042853, AV760042, BE042649, BE152638, AW513362, BF337291, BE350475, AV728928, AI801482, AA720702, AV764530, AV703682, AA533333, AV761106, AW162489, AW662543, AV761489, BF793664, AW472872, AV764398, AV762050, AI289067, AV761286, AW731867, AI537955, AI355206, BE049139, AV735370, AW574794, AW510513, AA469451, AW029038, BE967369, BG109996, AW872575, BG058664, AV734666, AW500353, AA468022, AV762535, AI471481, AI619997, BG179731, AV725431, AV762111, AW438643, F28204, AW963497, AI538852, AI133102, AV764241, AV762959, BF339640, BF940837, AI287651, AI745325, AL046898, BF541116, AL118991, BE047069, AA669840, AL134972, BF991286,

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HNGJA68	1675	824145	1 - 1770	15 - 1784	
HNGJB57	1676	663998	1 - 1729	15 - 1743	AL031177, AL031177, AL031177, AL031177, AL137065, and AL137065.
HNGJE86	1677	826451	1 - 1187	15 - 1201	AW853201, AI831743, AC007064, AC006548, AC026273, AL133173, AC026273, AC024972, AC007064, AL031601, AL031601, AL031601, AC020760, AC020760, AC006548, AC006548, AC006548, AL133173, AL133173, and AL133173.
HNGJH26	1678	663997	1 - 1801	15 - 1815	BF333825, BF333802, AC016026, AC016026, and AC016026.
HNGJJ61	1679	604485	1 - 911	15 - 925	
HNGJL07	1680	825345	1 - 907	15 - 921	BF531050, AA683081, W26415, BF954853, BF964120, BF987495, BF944808, BF749584, AW899337, BF812756, BF942897, BF921018, AW999281, and AL162042.
HNGJS66	1681	608638	1 - 965	15 - 979	AI652239, AA973759, AI655845, BE550370, AI651751, AI631547, AA872619, AI371978, AI955057, AW136207, AI917825, AI638315, AA580965, AC019205, AC019205, AC068247, AC068247, AL133336, and AL133336.
HNGJU60	1682	825336	1 - 534	15 - 548	C14227, T11051, C14389, Z21582, AV741888, D59787, AV740535, D80064, AV718707, AV737584, D80045, AV743654, D59502, C14298, AV700313, D59695, D52291, T11417, AW949642, D81111, AW975618, D80227, AV699447, AV738340, D59927, AV719049, AV700495, D51423, AW964468, D80196, D80366, D80253, D59619, AV718489, AV718692, AV719783, AV718844, AV720464, AV720731, D81026, AV724520, AV699927, D80219, D59275, AV720203, AW965158, AW973447, AV722801, AV744012, F13647, AV744690, D80168, AV720812, AV699479, C06015, AW966330, AV700895, AW966389, AV719000, AV700889, AV701332, D50995, AW966013, AV720791, AW966041, AW964488, AV723927, AV720220, AV700229, AV699746, D57483, D80038, AV719822, AW978661, AW960465, AW966065, D80949, AV699480, AW366296, AW959202, AW966050, D51079, AW959597, D80014, AV742001, AV742667, C14407, D80391, AW949645, AW975605, AV701125, AW949643, AV701043, AV701248,

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HNGKB09	1683	836060	1 - 961	15 - 975	AC061966, AC061966, and AC073616.
HNGKW35	1684	899408	1 - 467	15 - 481	AL359700, AL022724, AC068635, AC068647, and AC068647.
HNGKY94	1685	835021	1 - 811	15 - 825	AW819125, AW970571, AW504485, AI246796, AV762741, AI635819, AV740801, BF681619, AW410354, AW088846, AA410788, AA680243, AW975987, AI969436, AI732120, AV733830, AW327624, AW969743, AA587604, AW963463, H05940, AI859946, AV762050, AV756491, AI311647, AL357352, AP001725, AC010422, AC006989, AL133551, AB023049, AC008543, AC008687, U02532, AP001745, U18399, AL139099, AL009181, Z97053, AK000140, AC005829, AP001711, X55923, AC007204, AL390763, U78027, AC012627, AL133448, AL022329, AL035422, AC004846, AP000246, AC008745, AC006449, AX039602, AL356379, AL022476, AF109907, AC011489,

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HNGLD28	1686	836062	1 - 441	15 - 455	AC006385, AL163194, AC007785, AL078612, AL356131, and AL445604.
HNGOY36	1687	834936	1 - 797	15 - 811	AA013478, AA019064, H40858, H41082, AA018827, AA020955, AA054258, H84118, R85722, AA021259, AL138120, AV741888, C14227, T11417, T11051, AV740535, D80168, AV743654, AV737584, AV700357, AV718707, F13647, AV701004, C14389, AV699866, AV720731, AV718692, AV699669, AV718489, AW973447, AV719783, AV718844, AV720464, C14429, Z21582, AV722801, D80240, AV724520, D80253, D80210, D51423, D80219, AV719049, AV719000, AV699447,

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HNHAB38	1688	609892	1 - 622	15 - 636	<p>AA765899, AI444575, AW962791, AW502688, AI567676, BG027735, AW021674, AV758849, AV763460, AW410844, AV683406, AL121039, BG180320, AI702049, BG059139, AI921744,</p>

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HNHAC43	1689	654859	1 - 1118	15 - 1132	

HNHAD34	1690	612845	1 - 1048	15 - 1062	AI348722, AI792525, AI862231, AW086361, AI792627, BE139397, AI254439, AI349662, AI053903, AI053450, AA468466, AA468319, AA736485, AA805014, AW968194, AI686832, AA218945, AW970981, AA513884, N38996, AL021155, AC004678, AC005193, AL160231, Z68276, AL391114, AC009363, AC004832, AC003657, AL049709, AL133163, AC006241, AC007597, AC006111, AL031291, AC004991, U19241, AL136173, X55448, AL136223, AK024995, AB046778, AC004089, AC005081, AC005803, AL031985, AC004778, AC005015, AL162811, AC007619, AC006035, AP000356, AL117354, AC008521, AC007225, L44140, AF168787, AC005225, AC008897, D12525, Z82206, AL031280, AC010271, AC006237, AC020904, AC007934, AC007883, AL157713, AL050337, AL136226, AL357559, AF205588, AC007011, AL136137, AC011890, AC009953, AC006597, AL138787, AC011449, AC008474, AL160161, AL031680, AF139813, AL021937, AC007375, AC005377, AC004230, AX033920, AL049653, AL353604, AL031602, Z82203, AC008924, AC006482, AC008821, AL121652, AC022212, AL159168, AC004132, AC053467, AL136529, AC002454, AL022336, AC004846, AP001694, AC005666, AC004890, AL445220, AC004967, AL138756, AC003950, AL021155, and AL354944.
HNHAG83	1691	604993	1 - 661	15 - 675	
HNHAH06	1692	609900	1 - 821	15 - 835	AL031965, AC003115, and AL031965.
HNHAJ65	1693	604996	1 - 584	15 - 598	AF045449, AF064862, AL163281, AF064862, and AF045449.
HNHAL61	1694	668254	1 - 1431	15 - 1445	AC073276, and AC073276.
HNHAP58	1695	535713	1 - 874	15 - 888	AI081887, AA663950, AA594109, AW665908, BF694330, BF667291, AI139092, BF526349, AA828230, AU154132, AU153327, AI042054, BF526592, AU152170, AA788997, AA581313, AI142479, AA604801, BF696012, BF351539, BF669645, AI127229, BE768221, BE696686, AI275487, BE834522, BF843823, BE834512, AA682870, AA831970, H18318, AI049542, AL038598, BF360487, AU154752, AU144198, AA709246, AI081383, AA553891, AA026336, BF698270, AI240301, AA904884, AA721497, AI476458, AA598876, BF844798, AA825178, AW963355, BE763160, AI168698, AI684196, AA977482, AI128343, AI421595, D51543, AI421558, AA550847, H22390, AA225568, AI298512, AU156705, AW089178, AI560288, AA232270, AI055922, AI215721, AI368384, AI342890, H20843, AA917977, AA994170, AA995025, AA485301, H41844, AI685590, BE768040, AW008625, AW087405, AI867141, H11125, AU149932, AI083619,

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HNHAW34	1696	603386	1 - 628	15 - 642	AI962188, BF057614, AW057910, BF371754, BF902151, AI393222, AC023391, and AC023391.
HNHAW35	1697	825316	1 - 812	15 - 826	AL038977, AW084152, AA594742, AA035676, BE243506, BE246405, AI636306, AW238212, AA910783, AA283081, BF083135, AA009595, BF674640, BF901439, AA501371, AW152111, AL038800, BE615055, BF438711, AA357311, H68379, AF063559, AU146072, AW304699, AI628922, AV731321, T29360, N88501, AI570779, AA599080, AI024511, AA641053, AA714140, AW630819, AI306411, AI537258, BF512353, AI751145, AA706209, F01256, AC011299, AL080249, AC004025, AC022201, AL132772, AC005386, AF111169, AL121753, AC018738, AC008873, AL157768, AL132719, AR036572, U91328, AC005822, AL118501, AC022360, AL121757, AC083864, AL109837, AL009183, AC004129, AL132987, AC034242, AC007405, AL022145, AL031651, AC004226, AC007366, AC005211, AL022721, AL391683, AC004905, AC008012, AL136527, AL390209, AC003685, AL442166, AC007371, AL031123, AL109752, AL163284, AP000511, AC011480, U91319, U91321, AL022330, AL132639, AC003037, AL137786, AF217490, AP000280, AP000039, AP000107, AC011497, AL031681, AC005913, AC004032, AP001712, AC002452, AP001715, AC011445, AC018663, AL135936, AL033526, AC016471, and AC016471.

HNHAY26	1698	704789	1 - 2085	15 - 2099	AA324059, R70883, AA326603, R70884, AA557911, AV757738, AA558404, BF769085, AA324559, AI903090, AI348780, BF815843, T47138, AA550989, AI049845, AI434653, AA628581, BF813670, BF930997, AW902341, AA325115, AI251809, AA838091, AW104161, BG011407, AV701853, BE149998, BF034909, AI357762, AI016560, AA555232, BF856766, AA102737, BF824875, AA810154, AA832016, AA831801, AW836439, AI753904, AW673274, AW249660, BF677526, AA167179, AW974363, BE140860, AW304699, AW615450, BE788197, AA338289, AA702083, AI872117, AL048479, AA230155, BF873355, AW192419, AI568376, BF884894, AA847499, BF834879, AI565084, BF769082, AI061619, R92658, AV730768, T92394, BF769229, AW467781, BG113821, AA470596, AA485482, BE161469, AA807583, BF926094, AA557982, AA746911, AL109653, AL031733, AL136135, Z97183, AL049780, AC005841, AC005666, AC008266, AC006960, AC005081, AC004799, Z99943, Z83845, AC007546, AL158172, AL031297, AC002110, AC004023, AC004776, AL033529, AL034548, AL121825, AP000223, AL049795, AC008395, AF051976, AL139100, AC003692, AL118511, AL133387, AC009000, AC006930, AC006330, AL109914, AC008688, AC002105, AC006388, AC005218, AC022543, AC004797, AC004475, AC010223, AC002289, Z82184, AL121939, AC003043, AC007970, AC002073, AC004623, AL135745, AP000207, AP000129, AL121997, AC005064, AC011742, Z97989, AC004067, AC004843, AL391684, AF064019, AP000300, AC009123, AP000294, AC004611, AP000111, AP000043, AC005036, AL445490, AC003688, AL353804, AC007308, I96182, U63963, AL035071, AP000045, AP000113, AC005295, AC007055, AC005988, AC009482, Z97985, AL121981, AC010267, AL034549, AL109799, AC004804, AC010789, AC005887, AL031291, AC004821, AL021453, AC011479, AC002314, L47234, AL161665, AC026431, AL138914, AL137017, AP001055, U95090, AL139339, AL049761, AJ009611, AL008718, AL049872, AL109965, AC005011, Z99128, AC006132, AC000393, AL353667, AL138735, AC006061, AL008732, AL031228, AC011738, AC002477, AC005412, AC006046, AL031597, AL023553, AC007263, AL137073, AC025435, AL031657, AB041832, AC016254, AC004526, AB042425, AC025436, AL133324, U62293, AP000313, AL354751, AL135818, AL022320, AC002544,
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HNHAY86	1699	866180	1 - 939	15 - 953	AC025848.
HNHAZ20	1700	839696	1 - 1545	15 - 1559	AI822070, AL158837, AL158837, AC025991, and AC025991.
HNHBE21	1701	606789	1 - 594	15 - 608	D59787, D80366, D59619, D80196, AV719783, AV718489, AV724520, AV718692, D59927, D80253, AV720464, D51423, AV699927, AV718844, AV720203, AV720731, D80219, AV722801, AV720812, D59275, D80134, D80193, AV723927, AW973447, AV701043, AV700229, AV701431, D80227, AV742001, AV742667, AV701125, AV700889, AV701017, AV701248, AV743008, D80210, C15076, D80240, D80043, D51250, AV719822, D80391, C14014, AV742720, D81026, AV699447, AV718681, C75259, AV745080, AV701154, AV743601, D50995, D59467, C14389, AV744934, D80045, AV720150, AV701332, AV701166, AV744768, AV720211, D59889, AV701021, AV701004, AV741012, AV719324, AV719913, AV720607, AV701261, AV745724, AV745723, AV744770, AV701344, AV701428, AV701118, AV744773, AV701149, AV701055, AV701012, D80022, AV745369, AV718707, D80038, C14227, AV701163, AV700159, C14298, D81030, AV745366, AV701145, AV700622, AV699550, D80195, AV742996, AV744771, F13647, AV699669, D50979, D58283, AV701335, AV745847, AV701422, AW959570, D80164, AV701419, T03269, AV742671, D80188, D51799, D80378, AV701227, AV721386, AV746385, D59695, AV718770, AV701130, AV699682, AV719468, AV718800, AV745190,

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HNHBE38	1702	562730	1 - 1143	15 - 1157	AW023111, AW976024, AV756491, AW237905, AW328000, BG036665, AI251576, AI345157, AV758870, AV761107, AA833875, AA833896, AW500029, AI583466, AW575000, AW504224, AV710482, AW341978, AV760014, BG036370, AI282479, AI630283, AW978041, AW467607, AI345654, BF925617, AI521525, AI440117, AL037683, AA828834, AI821076, AI791185, AW270385, AW162288, AA469327, AA573067, BE208115, AC005907, AC006251, Z98304, AC004253, AL050341, AL391122, AC005088, U47924, AP000505, AC000353, AC011462, AC004913, AC005052, AL021154, AL022316, AP000510, AP000513, AC023490, AL049856, AL031228, AC005095, AC005261, AC007957, AC006312, AC004813, AC005527, AC005049, AP000556, AP000557, AL049776, AC005209,

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HNHBG18	1703	604924	1 - 728	15 - 742	
HNHBI65	1704	566816	1 - 289	15 - 303	AC006199.

HNHBM16	1705	566866	1 - 1148	15 - 1162	<p>AU148047, AW820343, BG028665, AW407632, BF956918, AI791227, BF869052, BF679977, AU144517, AV753973, AA071151, BF873887, BF879009, BG260565, AW963473, AV714931, AW023111, AW973992, AV733710, BF725844, H53937, BE395485, AV760502, AV762783, AW500684, AA515728, AW816516, AI755214, AA706495, BF854308, AI754567, AW576251, AA056248, AI133083, AI754105, AA878492, AV759632, AL042282, AA715814, AI801505, T74524, AW849714, AL042373, AW471092, AI521525, AW408767, AW303098, AI249688, BE536980, AI078409, BE139267, AA523695, AI923052, AW965633, AC005225, AC019227, AL160231, AP001710, AC008738, AC005952, Z83822, AC006329, AL031727, AC007151, AC005522, AL035400, AC007225, AL121897, AC010789, AC007327, AC005274, AL136137, AC003043, AL020997, AC004098, AB023048, AL122021, AC002301, AL109797, AC006509, AL031432, AC006111, AL138836, AC020916, AL049537, AC011510, Z85986, AL117377, AC005102, AP001712, AF165926, AL355392, AC005015, AC005971, AC007279, AC010458, AP001727, AL109804, AC007731, AL021154, AL080243, AC008760, AC020934, AC005500, AC008569, AF088219, AC010271, AC005531, AL031846, AC007597, AC004675, AC008784, AL035420, AF053356, AC002544, AL022320, AC010311, AP000008, AC011495, AL139286, Z97054, AL035685, AL118525, AP000704, AC006211, AC016543, AP001711, AC006483, AC006449, AL049569, AC004491, AC005305, AC006121, AC006360, AF134726, AC005722, AC005482, AL121601, AL360227, AL034422, AL049591, AC005730, AC008736, AL139099, AC005529, AL158040, AL391259, AC012076, AC020552, AP000356, AC005081, AP001725, AC027319, AC004231, AC004929, AC009953, AC004020, AC008543, AC018738, U52111, AC010422, AC004967, AC012099, AL137119, AC005056, AC011479, AC002350, AP000555, AL158828, AL354864, AP001716, AC018719, AC005736, AC004662, AJ011930, AF003626, AC009032, AL163300, AC011450, AL050307, AC004033, AL136223, AL136526, AC004971, AC011465, AC006388, AC004965, AC004813, AL031723, AL009181, AC011811, AC007739, AC006160, AL034372, AL022476, AF038458, AL031774, AC005837, AC008474, AC010219, AL133332, AC010605,</p>
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HNHCH78	1706	694657	1 - 745	15 - 759	AW970571, AA449997, AV702109, BF868994, AL079734, AI369580, BF725884, AV756491, AI085242, BE968744, BE252421, AW237905, AW500684, AW068596, BF677892, AI358712, BE062476, AI890324, AW502237, AW976024, AI251034, AV761107, AW275971, AI755214, AA502991, BE138594, BE739230, AW303098, BG000961, BE139139, AW973992, AI754105, BF681619, AI754567, AA916430, AI732151, AV760508, AV755654, AW069769, BF725761, AI251203, AI250552, AV759149, AI613389, AI251284, BE062478, BF828714, AW576251, AA524229, BG115297, AV760469, BF854308, AV758870, BE069140, BE179205, AA013168, BE138387, AV733824, AV762866, AA833875, AA833896, AI821764, AV762354, AA665960, AV710482, AA680243, AI732120, BG110166, AW023111, AI284543, AW410354, AA019973, BG180976, AW301771, AA579130, AV759295, AF075343, AL037714, AW500029, AW963463, AI267356, AI267450, AW855643, BG033220, AW026305, AW023689, AI421950, AW328331, AI310787, AV760453, AI419337, AA640430, AI923052, BF526964, AW084445,

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HNHCP14	1707	651348	1 - 919	15 - 933	AC004840, AC004840, AC004840, and AC004840.
HNHCQ44	1708	606791	1 - 641	15 - 655	Z82193.
HNHCT22	1709	664496	1 - 352	15 - 366	AC027462, and AC024192.
HNHCT47	1710	634691	1 - 607	15 - 621	AA469441, AA328289, AW972888, AW968156, AA502813, T09124, AI821722, AI732162, AI821172, AI792063, BE146613, BE146622, AU119400, AU119141, AA736713, AA572983, AL120694, BE392609, BF676104, AA598663, AI798242, BF346320, AA525409, AA834799, AW970987, AA525174, BE747883, AI636734, BF129921, BE395693, BF869362, BE677425, BF345228, BF345114, AA502536, BF747666, AA569179, AA482323, BE537881, BF871505, AV695478, BF340209, AI824589, AI567106, AV719084, AV763603, AA364869, AL079869, AA608741, AA468456, AA652059, AI309943, AL046620, AL041895, AA621838, AL031728, Z84480, AL135839, AC025594, Z83844, AC002470, AC007308, AC009228, AC007597, AC006388, AF109907, AL021546, AL133448, AC005098, AC004694, AL133245, AC004815, AC004166, AX039602, AC004846, AC004030, AL031685, AC002369, AC010463, AC005803, AC018712, AC008569, AL035704, AL118502, AL049760, AL353193, AL138759, AC007883, AC007057, AC009475, AL049872, Z84486, AC005089, Z93020, AC011490, AC005871, AC007384, AC008745, AC020954, AC004967, AC005972, AL096774, L44140, AC005052, AF031078, AL121586, AL391384, AL353748, AC005081, AF030876, AC004073, AC005067, AL159168, AL121920, AL022476, Z97184, AC004887, AL161670, AC002126, Z93015, AC009060, AC016027, AC007685, AL031651, AC016830, AC008551,

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HNHCV48	1711	737905	1 - 1597	15 - 1611	AW105504, AW963594, BF901743, BF902569, AW084431, AW970570, D44626, AA745302, AV704685, AI245693, BF925837, T05617, AU118968, T10218, F23268, AU141460, T34066, R70884, AI469468,

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HNHCZ54	1712	824072	1 - 1253	15 - 1267	H46830, H18298, Z83845, AC000039, and AL031663.
HNHDC52	1713	812424	1 - 1327	15 - 1341	AL043280, BF902433, AI688236, AL034545, AJ271735, AC025226, AL049781, AL136134, AL161916, AC007458, AL137881, AL354793, AL138893, AL392108, AC007751, AL356513, AL133412, AL445468, AL022158, Z99569, U69729, AL031074, AC023134, AL163853, AC006582, AL078605, AC008526, AC016568, AC005294, AL356967, AC004585, AL031312, AC007717, AL023582, AL022310, AL158193, AC005244, Z98748, AC005100, AP000339, AL009028, AL354977, AC026425, AP001608, AP001760, AC020977, AP001700, AL022401, AL109753, AC007785, AC007214, AC008498, AP001674, AL365400, AC009430, AL138758, AC020717, AL353582, AC002422, AL139295, AL132668, AC007878, AL023883, AL163533, AC006213, AC000114, AC002523, and AL034545.
HNHDD95	1714	835370	1 - 358	15 - 372	AL353727.
HNHDE58	1715	566782	1 - 731	15 - 745	AC016631, and AC008808.
HNHDI17	1716	738043	1 - 1189	15 - 1203	BE899007, BF338817, AU139668, BE264980, AU135520, AA601227, AU121535, BE250577, BE728115, BE531051, AI114647, BE563291, BE616582, BE736918, BE615376, AW957880, AW957801, AA307661, BG250960, BF882363, AA715194, AU120778, BE167158, BF197329, AV715734, BE792178, BF203663, AV748578, BF591000, AV749263, AU136531, BE184422, BE304382, BE883545, BE386373, AA804919, BE736970, AI907454, AA504980, BE566249, AV683302, AV698434, BE385152, AW630075, BF940980, AI440300, AA584467, T62188, AA662993, AW899527, W22010, AW898920, AA826146, AA081887, AA431294, BE083070, T94924, BF675027, AA359714, AU127460, T81895, AA232145, H73439, AI347154, BE220229, BE163516, BE884391, AV725653, BF957946, AV706319, AV701925, AU128609, AA205629, BF514657, BF857863, AA431655, BG032917, Z21266, BF217767, AA583368, AI358928, BE269776, AA731759, AF003529, AL158823,

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HNHDL37	1717	610113	1 - 708	15 - 722	AC004034, AC004034, AC004034, and AC004034.
HNHDM21	1718	610114	1 - 238	15 - 252	AW062685.
HNHDR57	1719	638121	1 - 1181	15 - 1195	AL044340, AV763305, AL037632, AV760497, BF879046, AV763952, AV762002, AL079869, BF725884, N23913, AV710705, BE222564, AU122388, AL133507, AL020997, AL121586, Z93023, AC003029, AL139384, AC005261, AF139813, AC027319, AC008760, AC006441, AC005324, AC008474, AC025593, AC005288, AC002470, Z98200, AC009032, AC004965, AP001694, AL138836, AP000502, AC006241, AC008569, AL157877, AC011475, AC005529, AC002477, AL109963, AC005839, AC020552, Z86090, AP001670, AL031658, AC008736, AL354864, AC004125, AC006483, AL034420, AC005972, AC020754, AC011489, AL034405, AC007383, AC005899, AL096791, Z83844, AL096814, AC006512, AC005098, AL080243, AC003982, Z84469, AL365505, AC007371, AC005522, AL049569, AC008753, AL024507, AC005071, AC018644, U91326, AC011811, AC010422, AC005089, AC008068, AC021999, AC005755, AC007731, AC020663, AC004228, AL109825, AC005500, AC011462, AP001725, AL034429, AC004383, AL136418, AC004967, Z98036, Z93015, AP000555, AC008521, AC005519, AC027644, AL353748, AL035587, AL353802, AP001717, AL109758, AL049757, AL121712, AP001718, AF134726, AP001714, AC008403, AC007686, U85195, AC005088, AC010605, AC020893, AP000512, AL022315, AP000248, AL158040, AL445483, AL121928, AC004895, AL161670, AC008806, AC025435, AC004840, AC005043, AL356299, AC007283, AE000658, U52112, AC004526, AC068799, AC016027, AC022392, AL033529, AC021016, AL162430, AP001710, AC004477, AC004890, AL117382, AC004166, AC016830, AL096870, AC002375, AC006329, AC005484, AC004491, AL049776, AL031005, AC020908, AC008812, AC084732, AC011455, AC020917, AC005520, AC011545, AC022148, AP001713, AC002563, AC006468, AC011450, AC002350, AC005874, AF134471, AC007957, AC000025, AC002302, AC011495, AC002544, AC011465,

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HNHDR96	1720	664497	1 - 1333	15 - 1347	
HNH DU62	1721	610094	1 - 780	15 - 794	AC021168, AC021168, and AP002492.
HNH DW34	1722	607867	1 - 1170	15 - 1184	BF346320, AL044340, AA984258, AV759356, BF971234, AW965008, AW979073, AV762001, BF525393, AI160144, AA706495, AL046746, AV760364, BG260565, BE394939, AL525929, AL524262, AF074667, AV763174, AA126635, AW419286, BE908602, AV759711, AV762900, AV762022, AL042906, AV762902, AA603421, AV761309, AL138254, BG032943, AV731286, BF212160, AI800168, AV759683, BF725844, AI815583, AV759686, AI816537, AV762779, AL042905, BE156097, AV759684, AA427470, AW023111, AV759682, AV764387, AA601278, AL135698, AW502873, AI866487, AV722075, AI054414, AA565911, AW105729, BE973547, AA425924, BF673911, AV714931, BF854170, AA492584, AW474168, U51704, AA825827, AV760360, AI436378, BF764034, BE792565, AA449997, AA314891, BE156170, BG028665, AW151541, AW973992, BF821009, AL096703, AC007388, AC009953, AC022201, AL121578, U91322, AC005535, Z99128, AF111168, AL358777, AC005538, AC005666, AC012442, AC005971, AP001725, AC006544, AP000782, AC007786, AL139339, AJ011930, AL157789, AL133246, AC004531, AF117829, AC020550, AC008929, AC018832, AP001724, AC016995, AL117382, AC007051, AL023284, AC007537, AL355530, Z97832, AC008044, AC010422, AC005822, AC004000, AC005261, AC023510, AC008155, AL136979, Z99716, AL132639, AC005969, AC004551, AC005993, AL391724, AC074331, AL133249, AL023575, AL117340, AL158198, AL163201, AC005345, AC007387, AC083863, AL121983, AC023472, U96629, AC055736, AL049778, AC007919, AL159980, AL109840, AL022400, AC010102, AL031685, AL136000, AP000362,

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HNHDX28	1723	608145	1 - 436	15 - 450	AK025276, AF239710, AC006454, AC006454, and AC006454.
HNHDZ06	1724	569774	1 - 1361	15 - 1375	AC068997, and AC026627.
HNHDZ42	1725	608299	1 - 314	15 - 328	Z57448, and Z59872.
HNHEF37	1726	825295	1 - 635	15 - 649	
HNHEF49	1727	668256	1 - 1507	15 - 1521	AF215849.
HNHEF70	1728	610115	1 - 639	15 - 653	H92015, AI623720, AW500029, AA631507, AL041690, AI859946, AI708009, AU152561, AW970848, AV763540, AW062724, AW271904, BG058664, AW965237,

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HNHEG30	1729	638122	1 - 673	15 - 687	AL157711, and AL157711.
HNHEH38	1730	638123	1 - 534	15 - 548	AL121829, AL353658, AL353658, AL353658, AL121829, AL121829, and AL121829.
HNHEL22	1731	607421	1 - 858	15 - 872	AU137331, AU121685, AU138077, BF988460, AU139967, T58427, AL119408, AA504903, AU137242, AW962189, AA340679, AA315992, AA633828, T03154, BF195071, AW573057, AA912725, AA640504, AW974914, AA311088, AA668484, AI057355, AC005273, AL157384, AL080275, AC008243, AL121999, AC019187, AC022143, Y15155, L11910, AL049743, Z84720, AC007279, Z68280, AL139123, AL096710, AC005859, AC003658, U69730, AL023875, AL031274, AL356865, AC003986, AP001671, AL135879, AL121790, AC002449, AC016572, U82828, AL109761, AB042031, AL356438, AP002529, AC011299, Z82899, AC020603, AC004389, AL356967, AL109764, AL121582, AC007392, AL359641, AK002154, AL008987, AL445466, AC010176, AK022243, AC012472, U80459, AC005823, AC008277, AK002104, AL133472, AK023417, AL359833, AL353804, AC008664, AC006356, AC009405, AL034347, AC007748, AC010283, AC000378, AL121717, AL049710, AC005064, AC005014, AC004948, AL135926, AL445589, AL391666, AL121916, AL354685, AC010282, AL109920, Z70274, AL110505, AL357141, AL031663, AC004470, AC004037, AL022146, AC024576, AC008394, AL359457, AL136363, AC023128, AC007243, AP001331, AL109853, AL139192, AL078588, AC006203, AL009176, AC005230, AP001669, AL121984, AF088219, AL132777, AF044083, AL445306, AC002080, AC006120, AC007037, AL136307, AL023495, AL021068, AC004677, AK002066, AC005588, AL158064, Z82194, AC004613, AL354653, AC016751, AL365440, AB045359, AC010132, AL121782, AC004535, AP002532, AL136970, AL136164, AL354977, AC010977, AL158050, AL158841, AC000055, AP000457, AC005739,

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HNHEN70	1732	854712	1 - 1768	15 - 1782	AL132719.
HNHEP21	1733	609903	1 - 688	15 - 702	U51000, AC023925, and AC023925.
HNHEP41	1734	638124	1 - 903	15 - 917	AI866580, AI689198, BE906142, N67313, F02342, AA491423, AI310787, AA578621, AI679045, AW188742, AA297682, AI243793, H91062, AA729253, AW798093, AA126814, T05118, AA528462, AA077637, AI560085, AI890799, AI889995, AW672927, AW007980, AW149288, AW467607, AL050335, AF001549, AC005632, AL356057, AC008623, AC002395, AC009516, AC005291, AC009247, AL022318, AC004166, AC005052, AC022148, AL133174, AP001725, AC018644, AC016602, AC008753, U47924, AC011470, AC005088, AC018751, AC016898, AP001716, AL020997, AC004983, AF134726, Z95116, AC005668, AL354720, AL132777, AC027279, AC004813, AC004797, AP001718, AP001712, AC005736, AC004686, AC004804, AL121952, AC005695, AL136179, AC009087, AC006160, AP001726, AL035406, AL035404, AC005829, AC006449, AC018720, AL158040, AL031685, AP001717, AC002365, AC004965, AC008372, AC011465, AL133153, AC005619, AC004552, AC016995, AP001745, AC006055, AC005881, AF243527, AP000295, AC011742, AL137073, AL354872, AL022324, AC007405, AC011500, AL023653, AC002543, AL132713, AL109804, AC004859, AC023490, Y10196, AP000133, AP000211, AC016637, U80017, AC005280, AJ277546, AJ009616, AP000556, AC005067, AL031681, AP000112, AC007225, AC006475, AB020864, AF195953, AL049843, AL137012, AC008736, AP001670, AP001711, AC018764, AC005255, AC018738, AL160175, AC005015, AP000692, AL353802, AC004938, AL136984, AL391259, AL137230, AC008392, AP001714, AC005725, AL355499, AC011529, AC024082, AC004076, AC002470, AC004655, AC004905, AL133454, AL022320, AC019226, U91326, AC006006, AL158823, AC006121, AC008812, AC011495, AF053356, AC004638, AC005670, AC018641, AC004817, AL121890, AL049569, AC005098, AC002425, AL136137, AP000501, AC005696, AC010505, AL161757, AL096701, AC004492, AC009238, AC002404, AP000104, AC005237, AL035455, AC004383, AL163279, AL133163, AC004020, AC007308, AC005005, AP001752, AC004089, AC009116, AC008085, AC006450, AL135978, AF196970, AF235097,

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HNHES33	1735	847418	1 - 1246	15 - 1260	AL158049, AL158049, AL158049, and AL158049.
HNHET16	1736	609904	1 - 845	15 - 859	AC025793, AC025793, AC069129, AL358193, and AL358193.
HNHEY29	1737	569772	1 - 1502	15 - 1516	BE047249, AC006482, AC006333, AC006482, and AC006482.
HNHEZ76	1738	618544	1 - 494	15 - 508	AW880738, AW880685, AA322240, AA088902, AW901478, AW855730, BF528092, H90844, AI371515, AW855736, BE145442, AA601129, AW855799, AA680252, BE880736, BF847937, BF725761, AA491960, AC006337, Z85987, AC005015, AP001688, AL391684, AC003049, AC073898, AC007850, AL049541, AC008543, AC004000, U52112, AC010170, AC006115, AC004605, AC007690, AC011890, AC024084, AL050335, AF064861, AL138976, AC024082, AL022336, Z97054, AC026431, AC005000, AL136088, AC008392, AC006226, AL049699, AP001712, AC004125, AC011464, AL163279, AL034372, AC002302, AP000952, AC020626, U91323, AF168787, AL023575, AC005070, AE000658, AC006948, AL109754, U85195, AC004458, Z83826, AC069539, AC012156, AC004166, AC016395, AP001726, AC005736, AP001670, AC005944, AC020552, AC002492, AL031228, AL133173, AC010605, AC004408, AC005799, AC003070, AC007919, AC005921, AC010267, AL109843, U82668, AC005620, AC008760, AB034980, AL122014, AC012081, AP001710, AC005052, AC006120, AL034384, U66059, AL353734, AC007221, AC005740, AC005730, AL050307, Z95114, AL133549, AL162458, AP000208, AL352976, U91321, AC016673, AL136087, Z99570, AL354680, AL136137, AC003684, AC006480, AL117336, AC005875, AC023796, AC011666, AD000091, AC003969, AL163248, AC010412, AL049537, and AL163284.
HNHFF60	1739	612778	1 - 297	15 - 311	
HNHFF81	1740	732075	1 - 1324	15 - 1338	AI696595, AV738435, AV742072, AV741983, AA579152, AI446452, AI693979, AI051529, AW615504, N57739, AA002063, BF843614, AA635368, AW470006, AA088727, AI133566, AA078337, AI343204, BE146615, AW129460, BF185578, BF527070, BE041913, AA084766, AL022721, AC011479, AL109843, AC006334, AL157818, AC008372, AL445483, AL096712, AF243527, AF196779, AC073316, AC008745, AL390374,

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HNHFJ49	1741	810955	1 - 1722	15 - 1736	AL049773.
HNHFR42	1742	638127	1 - 508	15 - 522	AA484176, AI039584, BE252421, BE179557, AA191659, BF893595, AL042853, AV736964, AA747070, AW866226, AV762645, AA019312, BF896459, AA715805, AV704740, AV701613, AV701844, AW591487, BF674620, AW749888, R44116, BF681427, AI268334, AI268336, AA834707, AW853857, AW749877, AA484373, AA513521, BF874758, AV713243, AW007450, AA303007, AA758366, AA568494, AV759293, AV763538, BG011095, AW566004, AW865946, AI361900, AA127426, AI110595, AC011475, AL118508, AL096775, AC020908, AC006362, AC006600, AF003626, AC009277, AL031228, AL035460, AC021016, AC006329, AC008018, AC004797, AC005940, AL031003, AL034420, AL118501, AL158815, Z97054, AC011490, AL121601, AL160071, Z97053, AC024247, AC004885, AL117380, AC005020, AC005829, AL031296, AL109933, AL035398, AL157413, AP001628, AF064866, A26236, L04965, AB031005, AC025447, Z98941, AC005837, AK024143, AC007637, AL022165, AC020906, AC005080, AL117334, AL022320, U47924, AC005529, AC006963, AC004931, AP000254, AL023693, AL163249, AC005694, AC005517, AL136105, AL049870, AF165124, L34079, AC008562, AL163283, AP001747, AL121920, AC008812, AL009181, AL133453, AL121888, AP001690, AC004525, AL034429, AC005913, Z93017, AC004087, AC008626, AC009756, AC009060, AC006561, AL109825, AP000503, AL158040, AL160234, AC005545, AL357129, AL031779, U07562, AC005236, AL133458, AL121952, AP000088, AF134726, AL161916, AL109801, AC007365,

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HNHFX25	1743	580792	1 - 577	15 - 591	AC003108, and AC012621.
HNHGD95	1744	609905	1 - 596	15 - 610	AA469441, AA328289, AW968156, AW972888, AI821722, T09124, AI732162, AI821172, AA502813, AI792063, BE146613, BE146622, AA572983, AA525409, BE392609, AU119400, AU119141, AA736713, AL120694, BF676104, AA598663, AW970987, AI636734, BF346320, AI798242, BF345228, BE677425, BF345114, BE395693, AV695478, AA834799, BE537881, AA525174, AI824589, BF129921, BF747666, AA502536, AA569179, AA482323, AA364869, AL041895, BF340987, AW008212, BF764092, BF869362, AA621838, BF871505, AI567106, AV719084, AV763603, BE869668, BF982222, AA608741, R22772, BF340209, AA169768, Z84480, AC009228, Z83844, AC007597, AC006388, AL135839, AL021546, AL133448, AC025594, AC005098, AC004694, AC002470, AC007308, AL133245, AC004166, AF109907, AC004030, AC002369, AC010463, AC005803, AC004815, AX039602, AL035704, AL049760, AL138759, AL353193, AC004846, AC009475, AL121586, AC011490, AC005871, AC007384, AL031685, AC008745, AC004967, AL096774, AF031078, AL157951, AF030876, X55448, AC018712, AC004073, AL159168, AL118502, AL121920, AL022476, Z97184, AC004887, AC005089, AL355871, Z93015, AC007883, Z84486, AC007057, AL049872, AC003070, AC005200, AL031651, Z93020, AC005080, AC008521, AC004965, AL122023, AL133294, AC004760, AC008569, AF053356, AC007917, AL136170, AC020954, AL132775, AC005972, AC004685, AL354864, L44140, AC005052, AC005841, AL096700, AL391384, AC008267, AL353748, AC005081, AC011462, AL121926, AC026805,

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HNHGR82	1745	617117	1 - 681	15 - 695	<p>AA664126, AW572721, AA598627, BF588859, AA135988, AW082076, AA526099, AU147414, BE077105, AW341955, AC021036, J00089, AL109802, AL109976, AC004983, AP000354, AC007136, AC006011, AC004975, AC003982, AC004477, AP001715, AC008745, AL096678, AL163279, AF215937, AC002350, AC020663, AL121585, AK022226, L48038, AC005295, AC010271, AC008569, AC008277, Z97054, AL139095, AC020934, AL445248,</p>

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HNHGS62	1746	609907	1 - 554	15 - 568	AW015939, AC024262, and AC024262.
HNHGY77	1747	638128	1 - 454	15 - 468	AA371841, AI903128, BF344681, BE387818, BF037604, BF570012, AA128321, AL519813, AA446402, BF569983, BE378482, BE243017, BE614753, AI911142, AA128078, BE547690, W72263, BE882202, W45377, R58160, AA315859, BF569513, AI130681, BE277650, AI805319, AI197957, BG060098, BE615908, BE531062, W76480, AW439254, BF311144, BF223400, BF569643, AI276003, W57896, AA622624, AI682257, BE348974, AI190542, AW006128, AA557401, AW274175, AI143567, AI031827, AI798043, AI271921, BF311591, AI862624, AA885331, AA635631, AI086401, AA542957, AA812275, AF190465, AF190465, AF190465, AC011498, and AC011498.
HNHHA47	1748	658743	1 - 1124	15 - 1138	AI761346, AI492231, AA468795, BF062508, AI380732, AI799909, BF221994, AI421064, BF594323, AA469401, Z98884, AC004967, AL158828, AB023048, AC006390, AP000509, AL357519, AL353812, AC020908, AC008537, AC002996, AL049776, AP000949, AL022147, AL138976, AL096712, and AC005746.
HNHHN22	1749	855956	1 - 884	15 - 898	AC019243.
HNHHW53	1750	604903	1 - 750	15 - 764	AP001944, and AC018575.
HNHIB40	1751	533057	1 - 403	15 - 417	
HNHKI74	1752	777856	1 - 803	15 - 817	AV728309, AV707794, AV706891, AV725423, AV704740, AV709273, AV702172, AV701844, AV734690, AV683012, AV705525, AV734974, AV703460, AV702625, AV702760,

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HNHKV56	1753	800877	1 - 1639	15 - 1653	H86448, AC009396, and AC009396.
HNHLD80	1754	839255	1 - 699	15 - 713	AW958962, AV763026, AV763058, AI635028, AW272294, AA225406, AI312309, AI801505, AI870453, AI923451, AI587467, AW575729, AV711465, AC005180, AL031276, AC004478, AC004980, AP000558, AC005821, AC005581, Z82976, AL049776, AF207550, AF217971, AC006343, AL133453, AC011449, AC006483, AL031680, AC004491, M37468, AL049539, AL034379, AC005522, AL023575, AC018758, AC005933, AC011895, AC005229,

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HNHLS76	1755	853372	1 - 304	15 - 318	AA055727, BE241407, BF347992, BE869003, AF132033, U80742, D83783, AF117755, and AF071309.
HNHLZ47	1756	838255	1 - 1846	15 - 1860	AC016874.
HNHMP15	1757	836065	1 - 1106	15 - 1120	AL163301, AL133499, AJ239326, AJ239326, AL133499, and AL133499.
HNHMP62	1758	834974	1 - 1054	15 - 1068	AL356280, and AL356280.
HNHMY76	1759	838256	1 - 1258	15 - 1272	AA406499, H73550, AI369580, AI206841, AW963444, AA523695, AA825827, AW023111, AW268954, AI826761, AI189682, AL079734, AI349817, AI923052, AW502237, AI821931, AI754170, AW069227, AA441810, AU144320, AW275971, AW069412, AI345827, AA502532, T74524, AA502991, AI634187, BG222580, AI912401, AA084609, AI254779, AV759632, AW968188, BE301584, BG059972, BF817546, AW117740, AV738383, BF673854, AA714110, AI355007, AI342183, AI275982, AW188427, AI859438, H04977, AA609834, BF857849, H07953, AU157093, BG180976, AI961983, BE138594, AI417469, AA483606, AA579427, AW887007, AI280678, BF920612, AW627747, AI457313, AL046519, AW504820, AI335995, AA284247, AA570740, AI499954, AA805044, AW500684, BE928094, AW861583,

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HNHMZ01	1760	836066	1 - 522	15 - 536	AL360269, and AL356323.
HNHND14	1761	836067	1 - 379	15 - 393	AC073527, AC073527, and AC073862.
HNHND94	1762	840374	1 - 674	15 - 688	AC004520, AL359496, AL359496, and AL359496.
HNHOF09	1763	838264	1 - 1416	15 - 1430	AC015909, AC015909, AC073970, and AC073970.
HNKAA76	1764	802009	1 - 1789	15 - 1803	BG178169, BG107935, BE909061, AA421156, AW263208, BE742898, BF205108, AI860213, AW438684, AA427665, AW467358, AA397954, AW778811, AV740176, BE793662, AW675564, BG167807, BF205706, AI348480, AW068454, AI129055, AJ403113, BE408797, BF307828, AW004828, AW070768, R42232, AW769032, AI800035, AV734233, AW081957, AV733932, AI695650, AI520752, AI206299, AA935849, AA204944, AW769340, AW248645, AW263189, AI656757, BF980634, AW769555, AA342016, AA035137, AA576268, AA293754, BG035960, BE902466, AA361461, AW573223, AL039150, AL038837, AL039074, AW135932, AL039564, AL039108, AL039156, AL039659, AL037051, AL036725, AL039625, AL039648, AL039629, AL039678, AL039109, AL038531, AL039128, BF737443, AL045337, AL040992, AL037726, AL042909, AL039423, AL044530, AL039410, AL045353, AL036973, AL044407, AL039538, AL039386, AL039085, AL039924, AL037526, AL038821, AA330688, AA503645, BG171519, AL036196, AL037639, AW973200, AL039566, AL043445, AI917771, AV717991, AV717941, AA342017, AL039509, AL036767, AL038025, AV717985, AL036418, AV717948, AL043422, AW975143, AW976625, T24119, AL045341, AV743654, AV746102, AV717978, AV745917, T24112, AV745724,

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HNTAF42	1765	824082	1 - 1135	15 - 1149	<p>AI278383, AA455528, AA341987, AA923485, BF989699, AI420519, BF905769, AI369496, R92060, AA341988, BG033044, AV716506, BG110768, AV695478, AV716708, AA715814, AI380617, AV763026, AV763058, BF808097, BE742024, BF815274, BE908214, BE062476, AV757289, AW804959, AA535216, BE062478, AA526099, AA349193, T57767, AW674277, AW575012, AA654874, AA773463, AI634187, AW341978, AW972271, AW063362, AI205181, AW069227, AW576374,</p>

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HNTCG32	1766	897776	1 - 2739	15 - 2753	AW368451, BE222668, BF057062, BF059422, BF943652, AA417890, AA099385, AW236145, AW471449, AI276742, AA099386, AI766890, W07168, N78573, AA001874, W79183, AA436249, AW292407, AA482460, AA055463, AI266170, W74429, BF476100, AI167320, AI252807, AA029791, N93113, AA055462, AA411303, AW003037, AA404452, AI536067, AW296497, H25100, AW236004, AA001796, AA029790, BE145192, W38789, AA831374, H24895, BE833432, R81403, R81402, AA993005, AA378020, AW235742, AI078078, and N58979.
HNTNY89	1767	886188	1 - 1233	15 - 1247	BE867020, AI478611, AI796551, AI493335, AW135035, AI763397, AI205153, AW452868, AW024931, AI770003, AI860167, AW300835, AW236836, AI039293, AA312699, AI033837, BF196530, AI587364, AI700805, AI364782, AI631435, BE047902, AW516669, AA741034, AA461101, AA310989, AA449433, AI671731, BE464413, AI373338, AA448924, AI247252, AI621029, AI989810, AI478533, AA461416, BF092110, BE766623, AK000413, AL121845, AL353715, AL353715, AL353715, AL158091, AL158091, AL158091, AL121845, AL121845, and AL121845.
HNTRB25	1768	600367	1 - 1140	15 - 1154	AW469571, AA397620, AA778530, AI378267, AW612321, AI655396, AI913256, N63019, BE221995, AW299372, AI971435, AI927061, AA873536, AI083780, AA435738, AW136543, AW206785, AC007461, AC007461, and AC007461.
HNTRQ40	1769	809100	1 - 4010	15 - 4024	BE791563, BE795352, BE616869, BG030723, BG177061, BG178407, AW976848, BG170104, BG180170, BF243343, AL520086, AI243124, BF375682, AI192302, BF593748, AW964101, AU129390, AW452530, R93752,

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HNTSQ23	1770	645176	1 - 2273	15 - 2287	BE540193, AV718254, BF968210, AV723483, BF696460, BG254591, AV730849, AV705265, AV732813, BE892073, BF243415, AW964077, BE789071, AA452368, BG120523, AI741017, AI741227, AI806660, AA476671, AI459104, AI341345, AA446625, AW043854, AI982626, BE972497, AW298800, AW452121, AA724961, AW166028, AI361526, BE268188, AA931158, AA452141, AA974487, AA007196, D53937, D81263, D52496, AI341984, N99604, AI193667, R52712, AV746992, Z43937, AI492961, N94800, Z39997, N92658, AA337669, AI221919, T32870, F04002, T23551, AA348780, R52664, Z45095, AI472655, AI934175, AW089291, N50483, AA334469, AI423737, D81144, N50428, BF377223, W07321, D60665, AI559394, BF679525, Z19967, AA019671, AI927233, AI567971, AI371243, AW827289, AI285439, AI285419, AI436429, BG029667, AI433157, AI648567, AI610557, AI690946, AI554821, BG252929, AW151136, BF911517, AI539771, BE897632, AI873638, AI432644, AI582932, AI537677, AI494201, BF812963, AI500659, BE883591, AI866465, AI567953, AL514623, AI815232, AI801325, AI500523, AI538850, AI887775, AI923989, AI590043, AI872423, AI284517, AI500706, AI445237, AI491776, AI289791, BF811804, AW151138, AI521560, AI889189, AI500662, AI539800, AI582912, AI284509, AW172723, AI538885, AI440263, AI889168, AI866573, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI859991, AI355779, AI623736, AI889147, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AI866786, AI860003, AI431316, AI242736, AI828574, AI887499, AW151979, AI539781, AI867068, AI702065, AI539707, AI885949, AW089557, AI559957, AI521571, AI469775, BF811802, AI866581, AI815150, AI446495, AI561170, AW858243, AI432570, AL514357, BF970700, BG113493, AL513865, BF970652, AI888575, AL514085, AI866461, BE885490, AI699011, AI434255, BG110517, AL514415, AL045500, AI866820, BE886728, BF725463, AL042595, AL042981, AI890907, BE895765, AL039390, AW827285, BF815930, AI804505, AW089006, BF812438, AI371251, AI866510, AL515373, AI621341, BF338002, BG027628, AI923046, AI538881, AL047422, AI366900, BG257535, AI539260, AL048403, BF911521, BF795712, AI828583, BF971261, AI355277, AI225248, AI886055, AI274759, BF814072, AI358590, BE537531, AI433976, AL042865, AL042944, AL042365, BF924884, BG029053, AV716091, BF925370,

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HOAAH51	1771	855961	1 - 741	15 - 755	AW967052, R20625, AW964593, BG057179, AI358724, BE677220, AA354153, AW149151, AI923300, T58044, AA559025, AA317256, R49837, AA903571, AI701211, AI963762, AW502185, BE677425, T58110, AI241976, BG118981, AA769056, AA244267, AL133642, AC020917, AL021917, AC008733, AC004845, AC008950, AL135927, AC007227, AC016602, AL033529, AC004590, AC009194, AC008569, U52112, AC011491, AL079339, Z93015, AL121890, AL133396, AL138752, AL121852, AC003077, AC011495, AL139353, AC006146, AP000702, AL117258, AC008747, AC005103, AC004152, AC008812, AC027319, AC004491, AC007383, AC007376, AL049691, AC004678, Z84474, AC004134, AC002045, M31951, AC002563, AC005295, AF200923, U07562, AL356801, AC007542, AC008635, AL137020, AC020904, AC005356, AL133214, AC000353, AC002116, AC010311, AL008710, AC012076, AC005089, AC005010, AL008732, AC022154, AC004878, AL034402, AF001548, AC008738, U93305, Z68162, AL118520, AC005163, AC002400, AP001716, AC004383, AL355984, AC020908, AF240580, AC002477, AP001720, AK024465, AC005932, AC019227, AC008267, AC074203, AC005480, AL035458, AC020916, AL133523, and AL133523.
HOAAI76	1772	824073	1 - 508	15 - 522	BG164682, AA613523, AI672909, AI140969, AI306566, AA983655, M78704, N49846, AA931391, AI000642, AA535512, H23007, AA515425, F26741, AA584307, AA535318, AA827513, T06955, N75355, AA593100, AW450188, AW298213, AW028876, R45158, AI913186, AI560219, AW055312, AI183511, AW028845, AI355796, AI244723, AI273521, AI124640, BG179815, AI184425, AI264550, BE042416, AI476538, BE872057, F36473, AI222569, AL040581, BG235995, AI569350, AW302561, AA630976, AI568506, AI191283, AA973746, AI811487, AI198764, AI440423, BE047248, AI186837, AW151093, AA593323, BE535641, BF111023, AI623827, AI828737, AW089043, AI824417, BF742985, AL133098, and AF147709.
HOAAJ09	1773	654862	1 - 773	15 - 787	AW468091, AW962942, AW268277, AI859834, AL039187, AW975164, AI053445, AW613805, AU147922, AW021774,

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HOAAL10	1774	566867	1 - 1227	15 - 1241	AV754364, AI826761, Z92542, AF046147, AF001549, AC008733, AL031728, AC002350, AC011510, AC020913, AL022322, AL008583, AL109623, AC008649, AC007685, AL121905, AC009194, AC007546, AC004859, AC004605, AC008569, AC006111, AL035587, AF207550, AL009172, AC011462, AL133153, AC011331, AF109907, AC004890, AF196969, AC006101, AC009244, AL049636, AL354816, AL096791, AL121601, AL022316, AL080243, AL365444, AC007272, AC025593, AC006449, AC005696, AC018758, AL022163, AP001716, AC002369, AL035458, AC005098, AC024075, AC005531, AC009087, AC004148,

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HOAAU13	1775	634732	1 - 1079	15 - 1093	BE048645, AI824118, AW444560, AI678672, BF207478, AI673800, AC018712, AC019146, and AC019146.
HOABC12	1776	801922	1 - 539	15 - 553	BG120338, AI590865, AI653491, AW247119, AI499728, AI377953, AI685103, AI890766, AI334091, BE885944, AI536781, BE302380, BF792656, AI263364, AA633816, AI494262, BF808449, BG222452, AA661847, BG056781, AI198799, H18591, T79868, BE884493, T85179, BE267061, AA632841, AA774155, BF526335, BG115522, T84295, R45430, T90560, AA455393, AA632685, AA630051, AI758756, AA306248, T83097, BF338070, R15808, BF111658, AA661752, AA603948, AA927504, AW246336, AI160553, BF983405, AI916664, H18592, AA456032, BE733351, AI093621, AW087863, BG256219, AI656270, AV746955, AI886594, AI499913, BG168455, AI452993, BG167294, AI570966, AA641644, AA769102, AI805688, AL514647, AI348777, AI335426, AA455772, AI345688, AI241792, AI554343, AI912474, AW082532, AI537617, BG169738, AI677797, AF147768, AW191959, AI635528, AV757987, AI648699, BF811808, AI473451, BG122101, R20540, AI289791, AW020592, AV704696, AV746964, AW022494, AW020288, AA555145, BF925370, AW366372, AI863002, AW022542, AI824357, AI523771, AW168700, BG164558, AW265004, AI249877, AW194014, AV655250, AI225000, BE966699, AI801257, AI252077, AW188507, AI273856, AI370623, AW055252, BE385624, AI336575, AI345677, AI564259, AI608970, AA814451, BE263346, AI699154, AA731711, BG179295, AI689614, AI569294, AI590755, AW190297, AI963062, AW274192, AW090768, BF572734, BE974031, AI660432, AL043288, AI799650, AW827289, BE620438, BG110134, AI251485, AA853033, AW051898, AW088882, AI499623, AL036150, AV721366, AA464646, BG253683, AI401699, AA911767, BG036808, BG250475, AW169056, BF726255, AW020144, AW900453, AW301344, AW813715, AI251221, AI348901, BE439844, BE172499, AI338060, BE876097, AV742848, BG105107, AI524233, AI284060, AW151817, AI285586, BF971226, AI620864, AI915443, AI345471, BE886790, AI050666, AI866469,

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HOABH36	1777	740758	1 - 1489	15 - 1503	AL527124, AL523845, BE274949, AW006988, BE620912, BF965010, BE620514, BF794902, AW338932, BF663214, BE275670, AW008382, BE856718, AL079408, BE392373, AI874349, AW083015, AA614335, BE046199, AI589544, AL524949, AW960928, AL523846, BF204114, AW044656, AW051578, AA158521, BE965177, AA085964, AU154560, AA085963, AW971141, AI207818, BF439374, BE616159, AW385571, AA461204, AA515301, AA515282, AI041904, W68060, AA663320, AA196209, AA722811, BF305039, AA648710, BF127822, AA446010, W68061, AA669189, AW771819, AA827373, AA721087, AW057791, AA776975, AA483819, AJ003434, AW770886, AA747858, AI033403, BG057038, AA515376, AI476479, AA804954, W23025, AW971016, AA503409, AI207332, BF306614, BF941158, AA873227, AA527756, BE729596, AW411102, AA251599, BF305611, AW006785, AA446285, BE019305, H55820, AJ003435, AA039862, BF923066, AW373570, AW373565, BF835996, AW500819, AA659734, AI913764, BF310949, H55821, AI687381, AA721069, BE408270, AI225198, AW072762, BF933102, AI936962, AI016596, BF205745, BE409669, AA502296, BE727387, BE019070, BE205931, BE408291, AA631285, BE207823, AI446697, AW361372, BE925487, AJ003256, AA251545, BF767233, BF767240, AI858144, T78908, AJ003366, BE019264, BE387130, BE298634, AA493104, AA040227, BE277378, H10286, C00395, AW411101, AU127111, AW161342, AW163340,

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HOBNA89	1778	604999	1 - 591	15 - 605	AW082258, AI243425, AI289258, AI424820, AI241137, AA043784, AW297127, AV723960, AV724429, AV722464, AI078781, AV722774, AV722890, AV724070, AV721760, AA813649, AV720980, AV722408, AI926345, AI272825, W94926, AA016235, AA868884, AC016634, and AC008872.
HOBNF51	1779	580861	1 - 1142	15 - 1156	AU125561, AU119563, AU117906, AU119159, AU123428, AU124642, AU123502, AU127645, BG250355, AU132436, AA910347, BG121805, AI354454, AL044355, BE562062, BG035743, AA126634, BG118333, BF216559, BF671344, AA682413, AA884533, AI168706, BF794387, AW732186, AI393073, AV716789, BE613650, AU154325, AI590158, BE176665, AW069775, BE176608, AW068847, AI378216, BF680565, AU133704, AW954878, AU127098, AA836774, AA448479, AW606737, AA432031, AA040825, BF984867, BE782661, AW607677, AI091908, H29071, AU150248, AI093237, AA130445, AI033056, BE268060, AW606655, AI279754, BE561835, AI672026, AI266548, AI129868, AW022800, AA125876, BE159354, AW474014, BF439547, BE159580, AA919053, AA773854, N42306, AA149223, BF570503, AU117703, AA180112, AA195581, W86324, AI282421, AA125877, AW606649, AA417120, AA112644, AA662557, BF799251, BE670502, AW606657, BF244788, W03230, N69555, AA610062, AI767151, AA149224, AA826632, R06779, AA004784, BE545338, AA187386, AA629962, BG113510, W60445, BF570735, BF350918, BE159658, AA417261, BE159411, AA371054, AA411959, H10013, AA361276, AA365127, R58885, W16853, BG111197, AA281288, BE256112, AI201501, AA040031, R11819, AA328642, AW606683, N94046, AA112703, AI473906, AW197358, AW362736, AA384057, AW606736, AW504946, AA317033, T92819, W16948, AA844645, R14964, AI468500, BF671293, BE832110, R16461, R18480, BE244162, BF243675, AW293228, D31395, AI942319, BE870063, AI589600, AI093236, AA648189, AI870398, AW965430, R47929, T11236, R48037, H12249, BE159587, BE159361,

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HODAH24	1780	656887	1 - 1343	15 - 1357	<p>AA491617, AV710847, AC073071, AF038458, AL353701, AL049796, AC008752, AC008403, AC005071, AC003037, AL356057, U91323, AC009079, AL050335, AF045555, AC006038, AL050349, AC007878, AC009247, AC005081, AL096814, AC009086, AC023510, AC016830, AC006449, AC007277, AC016027, AC010422, AL161670, AC005005, AL034554, AC005581, AC025588, AC011442, AC005988, AC016637, AP001716, AC004774, AC010170, AL137039, AL031657, AL450226, AC008687, AC004019, Z85986, AC007366, AC006483, AF001549, AL031680, U95742, AC011464,</p>

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HODAH46	1781	862551	1 - 725	15 - 739	AL521425, AL537131, BE388115, BE314805, AL514620, BF311286, AL523210, AL536205, BE276916, BE387175, BE314640, BG258324, BE891149, BG115029, BE382803, C18348, AW958520, BE739244, BG031889, BE018452, BE782287, AW009827, BE548451, BG027266, BF338341, BF038307, AL525645, BE882636, BF345159, BE856127, BG119829, BF206870, AI401735, BE262392, BG122405, T75048, BF691744, BF206872, BE560984, BE261658, BF530602, BE536344, AA223353, BF037516, BE297709, BE780354, AA378194, BE560800, BF305409, AI869008, BG167097, F12777, W24549, BE560620, BE268774, BF206512, BE797143, BE292960, N76421, BG104568, AA173203, BE244145, AA410555, AW630217, BF965558, Z45387, AW955061, BF002936, AI335903, AW403313, BF966086, AI446066, R90786, AA908840, AA181539, AA662396, AI335913, AA179479, AA954134, W55866, H17798, AA179499, AA353090, AI129126, AI886296, AW504130, AW500701, AA432165, AW152147, AA075982, AA772547, AI204217, AW957316, AA773350, BF182863, AI033718, AA132222, AI865592, AI344539, AA488677, T35233, AI686436, C05984, AI812055, AW470483, AW769729, AA993465, AA659926, AI734975, AI707603, AA218703, N66896, AA065153, AW337848, AI752953, AI360597, N26929, AA936677, AA053244, AI951958, AI473660, AA902604, AA149683, AW572391, AW130750, AI251833, AW771692, AI126020, AW195155, AI624447, AA033717, AW008402, AI926647, AW768510, BF116012, AI719955, AA088454, AA347942, AA865804, AA434312, AA886600, AI475396, AI569018, AI640660, AI814805, AI625597, AW513780, AW262815, W52027, AA300092, T10819, AL041684, AA259008, H68648, AW504831, AA431146, Z46220, AA714913, AA714983, AW878076, AA325863, BE243900, BF920081, AA648063, R34417, H69557, R87593, AA405603, BE560215, AL036822, AA224282, AW408419, F11343,

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HODAV25	1782	787471	1 - 977	15 - 991	BE379819, BG163847, AI708331, BG255971, BE379763, BE221864, AW236976, AI636651, AI632211, W95200, AA977805, N70520, AW607913, R89711, BG180736, BF057757, BE465911, R69668, R78866, AI830640, AI908967, AI917052, AA973755, Z44424, R69720, AW242793, AI133312, AI421045, R35687, AI309596, BG025898, AW629295, AI640631, AW873012, AI628462, AI244713, BF434904, AI823402, AI654060, AI762897, AI823499, AI368203, AW974039, AI382348, AA476368, D25637, AI890305, AV748868, AI660375, AI763046, AA903049, BG230514, AW235678, AI343653, AW572490, AI140711, AI031776, N40956, AW190081, AI471871, BF591884, AA580192, T25351, AA092339, AI337062, N46814, AI378741, AW572340, BF914019, AI375054, W94765, AI265874, H12792, AI280506, R82272, AI220703, BF754811, BF916065, AV748835, AI954361, AW592213, R49323, AA971824, AF118084, and Z75746.
HODAW64	1783	840069	1 - 3273	15 - 3287	AL528733, AU131191, AU119683, AL528732, AU134834, AU138331, AU141757, AA651757, BF669756, BF965779, AA496857, BF575670, BE895149, AI695017, H27268, BF086999, BF477941, H45540, N24348, AA470902, AW294850, BE931497, AA187572, W84736, H45548, AA912052, N44922, W40361, N79961, AW984317, BF089298, AW631288, BE931732, W84762, BF807950, R62185, W39447, AA459720, AA349524, BF803362, BF002052, H30352, AA099538, BF086442, AI921798, Z43558, BF083950, BE502499, AA323950, F07291, AA083629, AI767467, AW984306, R73464, AI640353, AA365588, AI954699, N45701, R34557, AA928641, W45009, BF993738, AA628088, BF798307, R55728, AA082063, N83839, F29871, BG149178, H64695, T63890, W72659, AA320558, AI810681, AU135151, H00490, AU152480, AW003947, AW516937, C03907, AA248793, BF934453, AW073826, AI810416, AU152981, AU159239, N50614, AI828389, AU157587, AW953121, AU145962, AI580952, AW003189, BF748715, AI313461, AI651050, AA864471, AI125878, BF085848, AA096344, AW293730, W07221, AA182773, BF574166,

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HODAY17	1784	806341	1 - 2607	15 - 2621	AL527014, AU118345, BE742611, AU118363, BE742293, BE515247, BE271215, BE315413, BF970244, BF340708, BF342502, BE612861, BG117374, AL527058, BE392474, BE390366, BE561702, BE390695, AL040934, BE391180, BE963066, BE885417, AU118485, BF975756, AW953651, BG178468, BE390873, BE693958, AI354583, BE395783, BE552037, BE389238, AA102590, N78326, BE512886, AU144932, BE884486, BE389499, AU144433, N57854, BE559667, BF995149, AI097401, BE390685, BE001605, AW572297, AI913174, AW029577, AU144948, BE269669, AU145034, AA432194, AI811104, BE927049, AW026450, AI955210, AA676743, AW173719, AI126189, AI246619, AI923908, AI912350, AI573143, BE328437, W72822, AA632265, N62095, BE693959, BG230654, BF755714, BE262612, W72821, BE350226, AA482202, BE276977, AW262961, BE747439, AI439590, AW338014, BF314335, BF951835, BF035080, AW342043, AW080405, AA159091, BF772398, H28893, AA809373, H24394,

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HODBA45	1785	601517	1 - 731	15 - 745	AA055393, and AC005592.
HODBC79	1786	566781	1 - 917	15 - 931	AC022272.
HODBD79	1787	638131	1 - 621	15 - 635	BG179764, AW027258, N20929, AA164413, AA659823, AA682908, AI087872, AW189300, AI274461, BE698004, AI698680, AA837251, BE928314, BF084053, BF084058, BF084091, AI868843, BE928288, BE928267, BE379643, D60700, D60698, BF789965, D59905, D61873, D62009, BG259139, BF084092, AA682745, AK023547, AC011468, and AC011468.
HODBF12	1788	584792	1 - 1173	15 - 1187	AW956293, AI754084, AI479175, AI671715, AI473717, BE550522, AW301291, AI033729, AI334387, AI129060, AA029900, AW069053, AA029988, AI589367, AI273076, AW974801, AI479530, AW778744, AA652948, AA372575, AI753656, AL047903, AI753170, AI754575, AW514908, AW515008, AW058297, H92393, BE207838, AI129434, AW470136, AI625050, AI798882, AI580231, AI168672, AI042305, AA121315, AW292332, AI954124, AW043954, AA680007, AI375105, AI963489, AI866719, AI560068, AA581373, AI218456, AI283357, BE500970, AI656083, AW008479, AI961332, AI653116, AI991693, AA235805, AA853237, BE500977, BE048765, AA528009, BF475642, AI333061, AI637946, AI584017, AI972834, AW959786, AI264760, AI742665, AW168605, AI868538, AI040298, AI983827, AI453524, AW471297, AI378619, AW073921, AI805774, AW304987, R51309, AI432482, D61965,

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HODBF86	1789	605001	1 - 907	15 - 921	AV694711, AL049744, AL161735, AL161735, AL161735, AL049744, AL049744, AL049744, AC026056, AC026056, and AC026056.
HODBF91	1790	633731	1 - 946	15 - 960	BF977383, BE737926, BF665438, AW976333, AW864036, AU150334, AU151386, AA665450, AV656488, AU154447, AA993575, AI759975, R38619, AI525133, AI000473, BF246797, Z39211, F10411, AA490306, AW971823, BE738384, AW475012, BF854135, AF017445, AC018404, AC018404, AL354708, and AL354708.
HODBW34	1791	877655	1 - 855	15 - 869	AI916419, BF924869, AI635467, AI932966, AW079409, AI923370, AI862880, AI648684, AI251221, AW071417, AL036631, AI570807, BF970652, AI538342, AI345347, AW026882, BF812960, AI284131, BF812938, AI587606, AI266558, AW105601, AI955917, AI433157, AI702073, BE969709, AW169634, BF726198, BF812961, BE895585, AI570861, AI633125, AI698391, AI915291, AI925502, AI500061, AI889189, AW051088, AI862139, AI611738, AI590227, AI249962, AW130930, AI432040, AL038605, AW103878, AI440448, AW081036, AW983829, AI499285, AI683475, AL045500, AW188554, W74529, AI866573, BF814761, AI270099, AI288305, AI499986, BG036506, AW081255, AW073708, AI635067, AW169132, AI640704, AW073994, BF971016, AI500523, BE895047, AI697137, AI932794, BE964876, AI539780, AI828682, AI682798, BF856052, AW152182, BE965432, AI609409, BE965067, BE874133, AI340603, AI582932, AI866751, AI475377, AW118518, AI783504, BF854113, BF339322, AI468872, AI863321, AI686906, AI273094, AI698427, AL036980, AI698401, BG110370, AI538885, AI873644, AW151136, AI610645, AL079963, AI524671, AI620284, BE047852, AI445992, AI445990, AI274508, AI284084, AI591420, AI670009, AI866770, BE543089, BE963838, BE541445, BG036846, AI539771, BF766529, BF032768, AI866162, AW673679, AV734591, AI564259, BE789764, BF816042, AW673635, AI500662, AI637584, AW268122, AL037582, AL120307, AL037602, AI801325, AI696819, BE964614, BF816037, AW827289, AI538085, AW148536, AI923989, AI571909,

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HODBX93	1792	897498	1 - 785	15 - 799	AA767855, AW977380, AA765910, AW975618, AV724520, C14331, AV699447, AW978634, AV718489, AW960553, AW949645, D80253, AW964468, AW973541, AW978661, D80366, AV718692, AW973474, C14429, D59859, D57483, AW958993, AW959799, D80391, AW966029, D59787, AW949656, AV718938, D51423, AV718633, AW966053, AV720791, D80196, AV718707, AV720211, AW964488, AW973488, D81030, D59889, D59467, AW966531, AV719557, AW959582, D80166, AW949642, D59619, D80210, D51799, D80240, AW973334, D80212, AW966065, AV720878, AV719822, AW966534, AW973307, D58283, AV722801, AV719324, AW959136, AW975605, AW960465, AV719468, AV718931, AV720731, AW973482, AW966022, AV723927, C15076, AW959202, C14389, AW975613, D80188, AW966041, D80024, AW966013, D80043, AW956397, AW959628, D80022, AW959570, D59275, AW964737, D80195, D80038, D80219, AW975621, AW978648, AV718440, AV720028, AV699550, AW949641, AW965163, D80164, AW966075, AW966032, AW966054,

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HODBZ06	1793	740759	1 - 1790	15 - 1804	AL041280, BG164191, BF983123, BE876977, AA702184, BG248849, AW474133, BG250650, BE539165, BF513442, AW269763, AI962971, AA935874, AI150109, AI554409, AV687584, AW007775, AA890008, AI082758, AI199306, AI922307, AA152030, AA037349, AW021321, AI688218, N22419, AA406318, AA152104, BF671348, AI367278, AI797211, AL038734, AL038733, AA258062, AI089356, AA884389, AA017390, AA661741, AI082269, AI770119, AI824725, AI027376, N25640, AA282370, AA918822, AI027020, BF374008, N39100, AA911009, AA836812, AA992896, AI002479, AA970541, R55560, AL041279, AA806318, AA203606, AA759257, AA278551, AA232852, BE930063, AW876088, AW876064, AA593839, AA421935, AI797333, BE177081, AA485458, AV697997, AV695832, N22883, N31270, AV690252, H68957, AA337924, AW995402, R68540, H04053, W44899, AV694870, AW241214, H03366, Z19311, R67924, R55321, H65584, T67446, AW243674, BE048922, N70432, AV734002, R68246, T96801, T96685, AA332109, AV696911, AA994146, BF248155, R36914, AA336479, AW876067, W39547, AA384849, F00568, N48457, AA282020, AW876091, AW965295, AA094925, BE714862, AW103805, T69479, AW799660, BE165021, BF924148, BE542967, BF927515, BF926234, BF820595, BF820597, BF926247, and AX013176.
HODCA73	1794	847421	1 - 817	15 - 831	AA904865, AW070361, AW072369, AI376433, AI809916, BF111762, N62981, AW592857, AA934110, AI873382, AA573710, N79887, AL120102, R54444, AW956856, R40461, AA745738, AA348705, AC007744, AC007744, and AC007744.
HODCV86	1795	637035	1 - 393	15 - 407	T69981, T69924, AA078476, AC016831, AC058791, AF017104, AC016831, AC016831, AC058791, AC058791, AC058791, AF017104, AF017104, and AF017104.
HODCY44	1796	737875	1 - 1241	15 - 1255	AW264690, AI922538, AP001753, AB001523, U61509, and AL050119.
HODDB58	1797	580862	1 - 1754	15 - 1768	AA954473, AI935740, AW104361, R12020, BF510327, AA458637, AA740677, AI264626, AC025257, AC009803, AC005799,

					AL049873, AL117356, AC004964, and AC010582.
HODDG72	1798	655357	1 - 812	15 - 826	AW971961, AA974181, AW152624, AA480793, AL353804, Z97832, AR036572, U91328, AC005736, AC005952, AL162390, and AC005082.
HODDJ25	1799	824592	1 - 2229	15 - 2243	AL520216, AL515422, AL520217, AL515421, AW954160, BF792309, BG249014, BG170296, BE786143, BF575181, BG167919, BG110753, BG179539, AI114456, BG119891, BF244589, AW965417, BF575005, BF131233, BF696666, BF671089, BF132459, BE278079, BF670977, W74591, AA843432, W72727, AV747020, BE540806, AW054863, BF571282, AI051134, BF953968, AA993304, AI360412, N31310, AA010516, BF962398, N22923, AA465007, H98822, BF790723, R43945, AA937141, AA455287, AA737840, BE813967, BF735657, AA412622, AA412481, BE242415, AA501430, N23547, BF962448, AA004981, BF216030, AA426293, AI079185, BF962140, AW964240, R94366, AA304780, H02226, H06088, AA299870, AI520988, BE563985, Z28645, T30179, AW969135, AA334324, Z24919, BF572488, AA371276, T16658, AA010430, AA343256, R45241, AA782640, R32238, H62252, H62341, BF677348, BF827272, AA504840, AW885678, AI193957, AA219667, AA505168, BF735800, D20651, AV726056, AV719825, AV719156, AW959733, AV720062, AV720893, AV718896, AI557018, AV652809, AV719551, AV652214, AV654326, AV653163, AV645769, AV724349, AV725496, AV719565, AV720500, AW952432, AV650926, AV650031, AV652066, AW967166, AV724520, AV650903, AV648653, AV652810, AV645788, BG141322, AV726209, C18175, AW958904, AW957478, AV727824, AW960548, AV658150, AF116618, AK024720, AC007282, AL356968, and AL356968.
HODDN21	1800	633705	1 - 954	15 - 968	AV702177, AV706745, AW962996, AV707189, AV726903, AV725655, AW952829, AW966737, AV703563, AV694787, AV703090, AV705343, AV655552, AW958164, AW965534, AV646526, AW958127, AW949767, AW953988, AW960830, AW954242, AV701537, AW962929, AV647622, AV704467, AV702558, AV703158, AW963390, AV726337, AV708167, AV706104, AV703783, AV703125, AW949475, AV702402, AV703742, AV656107, AV726830, AW950594, AW952419, AV705660, AW963581, AV706035, AW952885, AW963398, AV726054, AV661490, AV727756, AW949330, AW958849, AW950256,

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HODDO31	1801	658710	1 - 1518	15 - 1532	AV646951, AL519025, AV653899, AV725675, AV684221, BE898904, AV726136, AL517089, AV727064, BE869650, AV704436, AV698297, AV704663, AL513650, BE867481, AV728877, BE875861, AV646995, BE877136, AV715027, AV725385, AV704608, AV728608, AV707837, AV702052, BE877237, BE867491, AV728679, BE898944, BE898483, AV729537, AI132911, AV708441, AL517076, AV716356, AL532298, AV725308, AV707715, BE877727, AV725437, BE880292, AV702020, AV706351, AV729559, AV707841, BE888015, AL517234, AV725378, AV729236, BE881744, AV703277, AV704165, AV725126, BE876644, AV658808, AV711180, AV729194, AV718211, AV703479, AV707069, AV709996, BE867561, AI132942, AV726073, AV707014, AV727154, BE898637, AV728435, AV725931, AV713809, AV728345, AV653750, BE874843, BE877070, AV707242, AV727114, AV728531, AV709122, BE869470, AV702892, AV726525, AV725800, AV698269, AV692615, AV725792, BE893720, AV725651, AV659186, BE873078, AV703741, BE880029, AV727397, AV694873, AV708014, AV721964, AV697049, AV692684, BE874945, BE877881, BE867992, BE895591, BE877835, AV713774, AV725158, AV692647, BE899621, AV659236, AV702559, BE873811, AV698150, AV701527, AV653810, AV690429, AV714983, AI065135, BE879827, BE868816, AV725680, AV698145, AV723134, BE896571, AV728291, AI114672, AV659225, BE869351, AV704022, AV704746, AV706338, BE877374, BE869031, AV706421, AV698146, BE876545, AV715684, BE894898, AV725096, AV721532, AV691546, BE880560, AV722257, AV721450, AV726227, BE869205,

FOI b7E b7C b7D b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z

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HODDQ06	1802	834824	1 - 1860	15 - 1874	BF979948, AW974523, BG114508, BF216634, BE544918, BF690973, AW195611, BG030609, BF223257, BE537775, AW574679, BF979563, AI932328, AI738792, BF217205, AW665895, AI393315, AW193686, BE738341, BF697440, AA449542, AI969593, BE466775, BF244794, AI375878, AW118095, AA913471, AI911763, AI015407, AA737663, AW403476, AI366737, BE737880, AW269502, BF217039, AW962279, AA740847, AI285359, AA448898, BE245537, BE245643, AA476576, BF184657, AW513628, AI278471, AA405512, AA651780, AA768652, AI955022, AI276896, AA971676, AI002631, W25389, AI287319, AI216689, AI300231, BF149372, AW818197, AA856840, AA353579, AA830977, AW876692, AB027249, AB027250, AF237709, AF189722, AB041882, and AR044109.
HODEA20	1803	840376	1 - 1457	15 - 1471	AI796726, AW614648, BF446977, BE816114, BE563584, BF667625, BF970935, AW959518, AW965427, AI693300, BE011002, BF063439, BF591664, BG149988, BF196605, BF437678, BG150071, AA193502, AW071794, AA142952, AA418022, BE219377, AI283696, BG035738, AW967731, BE219379, AI755062, AI380818, AI678140, AI381935, AA418194, AI802909, BF941550, AI948691, AA626650, AA652725, AA902476, BE926218, AA725614, AI423894, BF358687, N31617, AA150662, AA630108, AI373239, AI791732, AA724599, BG036003, BE789765, BF328629, AI356864, AI805996, T62532, BF803277, N57065, N69342, AI598116, AW371739, AW366523, AI281058, H42794, AW368230, AI498688, AA252356, AA557223, AA332258, AI220439, AA706721, AI923967, AW892446, BE243241, AA861141, BE869611, R12881, BG150217, Z40270, AA363075, T62607, AI907288, AA948461, R41273, Z44311, AI341654, N53098, F06048, AA025663, R35506, AW469954, AA835421, BF761517,

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HODEM38	1804	835100	1 - 1103	15 - 1117	AC007075, and AC007075.
HODET37	1805	840377	1 - 1107	15 - 1121	AC027114, AC027114, AC022790, and AC022790.
HOEBI94	1806	795312	1 - 2308	15 - 2322	AV700432, BF965960, BF338962, BE250218, AI912352, BG163836, BG179673, AW130523, BE513050, BE280305, BE393987, BG111235, BG258249, AW149842, BE409983, AW341514, AA773455, AA522525, AA776733, AI026840, BG118405, BE272655, BE294026, AW375584, BE877385, BE299290, BE299292, BF204161, BF694833, AI591106, BF923726, BE895829, AW607491, BE250363, BE777868, BF340589, BF204228, BE259335, BE887867, BE297866, BE254298, BE886939, BE939962, AI031949, AA988760, BF982200, BF204269, AW369755, AA993682, BE348849, BE706647, AI201893, BE257223, AI653463, BE706642, AI684477, AI625737, BF530598, AW117441, BE219193, BF214868, BE940005, AA918555, BE695852, AW958090, BE502817, AI799582, AA635516, AI760164, BG112568, BE464200, AA256359, AI339052, AA806537, AW732579, AW105219, AW058334, AI803711, AV707100, AI359277, BF344025, N30564, BE781929, AA425103, AI355957, AV717220, BF840978, AI949604, AI014426, BE931062, BG166226, AI049910, AW189387, AI912899, BE972327, AA196568, AA182658, AA429324, AI025706, AA233292, AW389217, AA088775, BF800900, BE709809, BF219053, AI492541, AV687441, AI014494, AA088706, AI376879, AA767295, AI015616, AA677145, AA088774, AW449626, AW964057, AA053126, AI002514, AI871928, AW627650, BF799541, AW384851, AA502513, AW362485, BF800894, N94803, AA570537, AA694289, AW380039, AW900430, AA903127, AA497024, AW977118, AA642302, BE089985, N73133, AA101806, BF799528, AA975855, BF953460, AA878896, AA971232, AI025705, AI223330, AI418497, W28163, AA256263, AW892823, N63901, W22312, H57730, AV681827, N39316, AA772910, AA088772, AI375436, F13381, BE747312, AW089514, W28292, AI537188, T90344, AW852883, BE080511, BF824972, AA329379, BF811266, AA721224, AW368635, AI148151, BE939525, BE504446,

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HOEBJ70	1807	836143	1 - 1316	15 - 1330	BE410165, BE743503, AL535162, BE276370, BE744078, BF026257, BE389312, BE408697, BE274541, BF036457, BF437247, AL535161, BE408625, AW300870, BE410073, BE408820, AA431672, AI597854, AI554761, BE855688, BG170244, AI417346, AI359263, BE410078, AI291704, AA516398, BE247737, BE857189, AA876211, BG104260, BE327934, AU153030, AW008238, AW410802, BE276470, AI932813, AA421017, AA994105, AI668770, BF436960, AA076093, AA765330, AA431320, AA845880, AA678497, AA523597, AA687123, AW057915, AI587458, BG150707, AU149661, BE207303, AI202050, AI208946, BF149143, T50077, AI688342, AA076213, AA631100, BE410588, AI381451, AI700248, AA362929, AI277395, BF833116, BF110877, AI418069, BF125100, AI817770, AW955589, AA863492, T50015, AA383084, AI758413, BE302767, AU149760, R44300, AA917575, AW958755, BF330002, AW875798, AW875800, AW885720, AI673560, AA627860, AA532963, BF508004, AI553847, AW885703, AW601512, AI400934, AA515685, AA653094, AA524552, AA642657, Z39971, BG255249, AW601488, AK023162, AC083864, AC069002, AL138781, and AL138781.
HOECB33	1808	840378	1 - 1086	15 - 1100	AL524062, AL537567, AW207846, AI672527, AI990606, AA497115, AI467781, BF056089, W94928, AW962030, BF109870, AW005999, AI126090, AW195721, AW964714, AA633336, AA602524, AI126538, AI017950, AA148927, AL530489, AW351774, BE855817, AA936366, AL524063, BF948099, BE858672, AW296320, AI627417, AI635308, AA928286, AI076265, AI652866, AI076318,

					AA437022, W92199, AI127222, AI700451, BF948097, AA443272, AI933175, AA555074, AA442850, AI954667, AA233281, AA022932, AA552573, AA954042, AA324123, AV655880, AI380721, AW294354, H78536, AI280388, BF445649, AA552584, AA022982, AI962823, AW025652, AA497037, T31104, BF526204, T19347, T31205, AI566546, H79022, AI825336, BF478228, AI379375, F19572, Z40716, AA953616, AI078702, AA813647, AA148926, AI371668, AW451995, AI814726, AW181970, AA852470, BF247225, AW190912, AA232842, AI371960, BF944249, BE645925, Z44980, AA716601, F25486, F34404, AA476681, AA983819, AK026015, AB030187, AC009427, and AC009427.
HOECX21	1809	842866	1 - 1949	15 - 1963	BG033363, BE065131, BF983308, BF691498, AW250915, AW751004, BF027422, BE890164, AW069558, AW839941, BE301204, BF725723, AI052341, AI125223, BE969955, AI368149, AI660738, AI917124, AA216414, BG034549, BE778512, AI798189, BF815576, AA225280, BF946325, AA480990, N94394, AI093272, AI088637, AI952144, W27845, AW371997, BE925999, AI091099, BE092438, W52940, W69919, AA991732, AA536053, AW371994, AA988139, AW452888, AI674763, BF512604, R51742, AW470524, AI372499, AI571816, AA234282, AI831026, BG255225, AI424046, AW473994, AI364348, AA125990, AA188971, W69738, N24801, AI126998, BE541848, R91992, AA229510, AW371993, F30491, R53339, AW372339, AA188926, R51743, H41976, R54745, R53944, AI199371, T67082, AA321856, BF931837, AA912970, BG150406, AI372500, R32574, AA349542, R93197, AA304733, AA902252, AA876410, R28641, AW750996, AA353263, T82337, AA852475, BF572598, AA037409, T57777, AA886917, AI264171, AI290409, AW150490, N56036, AA090944, BE897953, AW848930, R00223, AW890830, BE936538, R16626, AI985843, R00329, BF365757, BF433466, BF819051, BF855553, AI873028, AA576002, AA236272, BF971647, F37274, R54934, AI566619, AA226881, AA349543, BF062256, H41928, BF509738, AA190400, BE884842, W27433, AI935654, AL134524, AW979238, AW972816, AW975037, AW979127, AW861944, AW971403, AW975965, AW858525, AW972845, AW979002, AW975971, AW972292, AW976024, AW974801, AW975876, AW972867, AW975105, AW975032, AW976023, AW975019, AW969791, AW975031, AW975154, AW975002, AW979098, AW973219, AW979176, AW979090, AW974786, AW969673, AW979294,

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HOEDE27	1810	825262	1 - 946	15 - 960	<p>BE155099, AI627917, R70883, AA603675, H68343, AI282629, BF760573, BG260565, AL133240, AC002351, AB023048, AL354720, AC021016, AL031589, AC004638, AL133448, AP001728, AC005332, AC005412, AC005081, AC007690, AC011489, AC004685, AC004752, AL121893, AC008784, AC003684, AC020626, AC002551, AX039602, AC004821, AL109827, AC008569, AC004491, AL117381, AC005015, Z86090, AC027319, Z99716, AL121890, AC004025, AL121749, AC005102, AP001715, AL121989, AL139100, AC004167, AC020916, AL022323, AL049795, AC008733, AL049872, AC008649, AC005225, AC010328, AC004089, AL118506, AC004840, AF196970, AC008687, AC011500, AC005529, AC020908, AC008521, AC017100, AL109936, AC008760, AL157827,</p>

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HOEEK81	1811	844390	1 - 1677	15 - 1691	AA910339, AW592812, AA019961, AW973918, AI148577, AI161049, AI080489, N93191, AI347713, AA568790, AI034143, W22716, AI040428, AI288900, AI168030, AW631486, AI168115, BF822908, AA019891, AA814209, AI160928, AA879071, AI471198, BF435978, W38778, AI970735, AA846486, R55462, BF823461, R86006, AI151077, AI248141, AA932813, R37521, AA894621, AV658258, AA406453, AI129940, BF884501, AA725153, R54736, AI220969, AI424030, T82975, R76243, AA018634, AI582646, AI186420, BE707746, BG151068, AI272982, AK026464, AC013275, and AC013275.
HOEEZ62	1812	638833	1 - 371	15 - 385	AV705433, AV726503, AV725709, AV702947, AV706584, AV729255, AV725529, AV654282, AV692176, BE877146, AI557222, AV756682, AV727472, AI064816, BE881230, AV724819, AA469321, AV759547, AA467922, AV758197, AV707611, AV721822, AV728243, BE880733, AV653804, BF942332, BG222560,

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					AW235484, AA484530, AV745072, AI719891, AI708944, AA558338, AI581596, AA558381, AI524381, AA854696, AI245991, AI707532, AI346033, AI557600, AA788847, AA516238, X62996, AX039612, V00662, X93334, D38112, AF004342, D38113, X93335, AB017116, and L27601.
HOEFJ26	1813	847422	1 - 1620	15 - 1634	BE739632, BE891224, AW015255, BF698946, AA855056, BF542089, BF215913, AV722091, AI761108, AI769464, BE855735, BG115618, AW013861, AI471978, AI554611, AI566107, AI761100, BE044008, AI697876, AW235631, AW197457, AI613072, BG111058, AI948582, AI968131, AI972301, AI651325, BF446764, BE669922, AI810076, BE465857, AI861803, BF346495, BF670914, AI457311, BE326870, N69511, AI693239, AW026025, AW956622, AI697853, BF346544, AI363148, AI669426, BE045707, AA446116, AV724921, BE465753, AI760959, AI337956, AI867185, AW016527, AV645434, AI081838, BE739171, AW752376, AW376088, AI146310, AA305333, AI935763, BF448585, AI564403, AA428607, BF197469, AI078785, AW302724, BF346551, AI422755, AA436958, BE049053, H29008, AW470520, H24564, AW376030, AI263068, W37717, AI474781, H19755, BF333088, AI378043, AI183480, AA446422, AA613358, H50231, H85677, AA194123, H70756, AA432312, W37716, T19231, AW020578, BF699586, AA706747, AW402539, AI610944, D59255, AI032764, AV736008, AI128898, H70755, AI290574, AA693847, H25994, R64414, AV741228, H26028, BF664998, AI038408, AI424760, BF961626, BF961947, AI401249, AA631010, AW779480, R56779, AA194014, R31352, R53530, T94362, R63808, H84747, T94716, T34385, AI001764, AA093748, H50266, AI695356, BF963867, H46304, AA535742, AA496052, BF959253, AW022385, BF963620, BF961859, AA557756, BF945255, BF956655, R32854, BG003573, D62507, AA377773, R28125, BF956891, R53641, BF825534, AW362470, AA320166, AW882825, AA806796, AV737585, R28014, BF854876, AA714453, AA669840, BF681619, N64587, AV760937, BE139358, BE350772, BE139267, AI471481, AA573003, AA491814, BE042649, AA623002, BF677892, AA295130, AV762139, AI284640, AI004591, H19756, AL046409, AA707849, AA587991, AW511743, BF940837, AI801600, AV710482, AA191418, AI610159, AI580707, AI061313, AA364429, AI590593, F17891, AW157005, AA992126, AV762741, AV760014, AK026849, AL050331, AF042181, AL031229, U67827, AL118520, AL445483, AP001053, AC083866, AL121653, AC010480, AP001752,

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HOEFL74	1814	561649	1 - 875	15 - 889	<p>AI200918, AI032719, AI860539, AI857371, AI440419, R01257, AW079636, AA833671, BE067144, BF964231, BF961041, AI903849, AI913094, BF699506, BF698221, BG008100,</p>

					BE067192, AI809136, BE067164, BG002772, H24527, AW864256, N39914, AL045097, BF952272, AC007034, AK000400, AC004522, D14034, AL049545, AC005360, AL356299, AL022329, AL359763, AC008543, AC008984, AC005567, AC004234, AC002301, Z98745, AC005678, AC004125, AL049759, AP001065, Z97055, AC084693, AF017337, AC002107, AF186772, AC083864, AC010642, D84394, AL096870, AC004182, AC006329, AC006116, AC006582, AC010520, AC036103, AP000507, AC008169, AC007325, AC007326, AC005088, AL139350, AL157938, AF024533, U51280, AL008730, AP001754, AF228727, AL035398, AC003982, AC008103, AC004743, Z97989, AB019438, AC010411, AC001228, AL121781, AJ009611, AC022516, U66061, AC010618, AC006130, U90093, AL080272, AC003973, AC006115, AC005392, AC011493, AL356454, AC005791, AC024077, AC008752, AC005238, AC004610, AC006504, AC004821, AC007204, AF147273, L17043, AC007972, AC004654, AL109827, AL022328, AC004679, AL135927, AC007227, AL117186, AP001759, AK024430, AP001469, AF114156, AC006040, AC007676, AC004474, AC006210, AC011604, Z56037, AC004922, and AC010151.
HOFMF63	1815	847423	1 - 1564	15 - 1578	BF382972, and W52095.
HOFMJ65	1816	664498	1 - 2068	15 - 2082	AA788946, AI754368, AW589794, AW303444, AI755129, AW069293, AI831403, AW237056, AI093206, BF590639, AI863045, AW081949, BF436541, AI753354, AI348137, AA393803, AW580831, AI753546, AI141432, AI754760, AW069235, AI679040, AI270477, AA678550, AI753984, AW272507, AI890627, AW152185, AA142985, AI679765, AA600345, AA081393, BE145976, AI683662, AA599911, AA393869, AW591050, W72891, W78174, AI554502, AI368694, BE348336, AW958858, AW022057, AW069330, AA723207, D59314, AI683274, BE645517, AI911862, AI825356, AA663291, AI750957, AA147548, AI918010, AW580891, AI445315, AW083677, AI752931, AA994259, BE645514, AA150915, AL138165, AW275175, AI923317, AI955804, AI002980, AI584114, AA679767, AW956188, AJ243226, W92396, AW513287, AA478481, AA678400, AI753210, AI754137, AI753172, AI635318, AA705988, D62627, AI016709, AI469093, AI539100, N64047, AA852182, AI346933, W58265, AI142490, AA659665, AA614734, AW239269, N90566, BF912455, D79766, AI926391, H93952, AI382388, AW438987, N93406, AW371066, T93254, T95571, R09121, BE934809, W92395, W76096,

					AA357630, AA373866, AW276393, AW591468, BE046822, BF154542, BE769558, AI003181, N67161, AI567192, AW070658, AA853144, AI061096, W05687, W21448, AW019988, AW023072, AA541569, H79673, AL514765, BF970652, AI439452, BG027967, AW081866, AW673679, AI961589, AV710950, AW089275, AI274438, AI309306, AW151786, AI683568, AI950729, AW131282, AA470491, AI561356, AI269205, BG121959, AI815232, BF812961, BG179993, AI933992, AL079728, AI365256, AI587209, BE909398, AI679266, AI333638, AI873638, AI890507, BF924909, AI439762, BE964997, BF970768, AW328117, AL119836, AI537677, AV724541, AI621341, AI524671, BF038131, BE393784, AI802654, AW029533, AI929108, AI624693, AV759235, BF341524, AI633125, N49165, AW172745, AI474646, BG249118, AI590043, AW827206, BF969810, BG120706, AI538259, AI950877, BF753053, BF344201, AL119863, AA613907, AW129160, AI590134, AI811422, AV657465, N42321, AA176980, AI889189, AW071689, AI364639, BG260287, AW089226, AI285826, AI590830, BG107995, BE965599, AI890907, BG259944, AV714085, BE964006, BF032768, AI554485, AI536601, BE965121, AL514691, AI345688, AA814782, AA504514, AW080992, AA743012, AI468970, AW191884, AI866457, BE964659, AI270183, AL096771, AL359627, U57362, AF162480, AX019230, AX019229, AL389935, I89947, AB048975, AL137298, AL117435, AL080156, AL137267, I48978, AK026784, AK025084, AK000310, Z97214, AL137459, AF177401, AF287051, Y11587, E04233, AF260566, AR038854, AL389982, AF175903, AF183393, AK027260, AL161964, AF260436, Y16645, A77033, A77035, AL359596, Z13966, AF119899, AK026647, AL049464, M85164, AF168787, A18777, AL133640, AX020124, AL161954, AB049892, AK000614, AF028823, I33392, A93350, AF061795, AL050149, AF151685, AK027188, AB047631, AL122045, AX010492, AL389947, AL110280, AL157464, AF161418, AL049283, AF119896, AF069506, AL137258, AK000083, Y14314, AF261883, AL137480, AK026912, AL353957, A08910, AR050959, A08909, AF067790, X82434, AB050510, AL137271, AK024538, AK026659, I48979, AJ005690, X83508, U72620, AL162004, A08908, E05822, AL133080, AL049382, AL359600, AL359583, AK000074, AF130105, AB044547, AL137529, Y09972, A45787, AX026824, AX026823, A58524, A58523, AK025383, AF026816, AL137275, S68736, A08913, Z82022, AK025209, AF111849, AK025573, A12297, AF314091, AF132205, AL080159,
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					<p>AF087943, AF116654, AF159148, AF090900, AL137533, X65873, AF227198, AK027096, AK026480, AJ000937, AK000501, AK026744, AF151109, AR034821, AF008439, AL137479, AL122123, AK026506, AF116682, AB050431, AF078844, AL162083, AF097996, A65341, AK026528, AF119909, AK024974, AF090903, AB052191, I68732, D83032, AR011880, AF116631, AF113690, Y10823, AL050277, AK026642, AF225424, AL117457, AB032264, AK000323, AL049938, AF061981, AR000496, U39656, AL390184, AK027164, AL122100, AK025708, U42766, I89931, AJ299431, AK027082, X70685, AK026959, AK026057, A08912, AF116602, I30339, I30334, AK025113, A23630, AK024546, S83440, AL137300, AR087170, AL359941, AK024992, AK026547, AK026086, A65340, AF038562, AK000432, L40363, AF177336, AK026504, AL117460, AK027200, AF116646, AL110221, AF158248, AF090901, AK025465, AB047904, AF267991, AB031064, AF130066, X60786, AK026583, AF111851, U53505, AK025092, AL122098, AK027160, X06146, AB052200, AK026924, AF056191, AL133606, AL137550, AK026556, E12747, AK026534, AR020905, AK026550, AL049430, AR075044, AX040974, AF254119, AL162062, AK024978, AK025484, AF321617, A18788, AF113691, AK026462, AK024570, X61970, AK025889, A21103, AK026408, AL122110, AK024524, L19437, AF119875, AK025391, AY007109, AL050024, AL137478, X83544, AL137523, AL117416, and AK026434.</p>
HOFMK02	1817	684308	1 - 1657	15 - 1671	<p>AW574961, AI807516, AI861880, BF431687, AI439139, AI708789, AW474878, AI378280, AI758934, AI872182, AI655804, AW006858, AI766297, AV725002, BE328788, AW275820, AI628940, BE044091, BF183944, AA044756, AI862794, AV686835, AI696894, AL118941, AW136462, AI521213, AI634692, AA255874, AI357615, BE622897, AA830159, AI347920, AI587355, AA804492, BF103932, AA989038, AW197076, AI568681, AI571020, AI637822, AW386872, AI139658, AI146675, BE541314, BE748592, BF680092, W15270, AI141389, BG059558, AA037784, AA830170, AI499382, BF694776, AI341758, AA708258, BE874301, AI359904, Z30251, AI538946, AW302539, R70660, R62821, BE940414, AA847126, AI765553, AW630393, AA533862, BF095469, R82850, AA355404, AA044677, AI468111, R70548, AW302234, AI370148, R22970, AA283294, AI691144, BF991946, D79665, BE002385, AW971745, AW877209, AL119457, AL119319, AL119399, AL119324, AL042544, AL119443, AW804686, AW392670, AW861944, BE695785, AL134902, AL134920,</p>

					AW604723, U46341, BE705903, BE705906, AL042975, AL119497, AW858526, AW577135, AW858525, AW372827, AW384394, AW861889, AW858455, AW363220, BF868687, AL137257, AK026668, AB026436, AR080280, AJ251859, AX030435, AX046357, AR060234, AR066494, AR054110, A81671, AJ279014, and AR069079.
HOFMO16	1818	596835	1 - 1128	15 - 1142	BF569876, BF569788, BF337229, and AF277719.
HOFMP62	1819	866469	1 - 886	15 - 900	AI475371, AW827203, AI349772, BF971016, AI269205, BF882343, AL045500, BF968493, AI349004, BF883916, AW071349, AW268220, BG260037, AW827249, BG165051, AW087445, AL036736, AI491852, AI521012, BG180996, AI636456, BE879906, AW238730, BE018711, AV713079, BG179993, AL040169, AL036396, BE047852, AI815855, BG257535, AW301409, BG105099, BE785905, AI802542, AI285735, AL514983, BG036846, BG120816, AL119049, BF344652, AW827211, BG058208, AI538716, AL514129, BF724691, BF725644, BE881061, AL036802, AV711924, BG031815, AI560099, BE048071, AL046849, AL513597, AL513907, AI433157, AW274192, BF812933, AW103371, AV655645, AL513763, AW162071, AW150578, BG109270, AI868831, AV758806, AV681586, AV757018, AI934035, AW999049, AV681869, BF795712, AI439717, AL514691, BF343172, BG109221, BE964812, AW268253, BF970162, AL047763, AI564719, BG032704, BE877769, AI064830, BE964700, AI349645, AI520931, BF342070, BG114104, BF527014, AI620284, AI682841, BF968041, AV682249, BG168696, AW071417, AV711509, AL514919, AI432969, BG058398, AI580984, AI445025, BE018334, AW151485, AV724841, BF817926, AL121365, AI274541, AW104724, AL135661, AV715354, BF791952, BE966388, AL036146, AV756477, AL514627, BG109140, BF526020, AV652906, BG112879, BF037097, AI340582, BG250190, AI524671, BG110684, AI610307, AV762619, AI619502, BF793187, AI702433, AI580190, AV757705, AW026882, AV757362, BF885675, AI783504, BF816811, BF794994, BF107573, AI636445, BF812938, AW074993, BG164371, AI673710, AL036361, AV681647, AV755290, AV733385, AV758110, AL514935, AL036631, BF054789, BF726297, BE887488, AI312152, BG253026, BF812961, AV710608, AL043326, AI500523, AI866780, AI349937, BE781369, BE048026, AV738991, AL036274, AW169671, BE881134, AL121014, BE891101, AL079963, AL121270, BF792469, BE172767, BE966634, AV681951, BE783707, AV681668, BF793644, AL040243,

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HOFMT59	1820	588458	1 - 1312	15 - 1326	AI560980, AA740906, AI669718, AI753985, BE247019, AI690409, AI056420, AA176209, AA021042, AI743492, AW298193, AI074216, AW963091, AW104305, AA897747, AU153448, AW023150, AW023144, AI091895, AA465346, AI524668, AA772708, AW955394, BE501627, AA723019, AW015918, AI808692, AA907049, AA605153, AA991573, BF131396, AI886790, AI873056, N20568, AW661974, AI285496, N29526, AI360536, AA327294, N23761, AL120793, N26107, AA953655, N29548, R70134, AI868145, C01004, and AK023204.
HOFMV22	1821	812864	1 - 607	15 - 621	AF161462.
HOFND06	1822	824241	1 - 2130	15 - 2144	BF001905, AW976587, AW965864, AW236949, AL046946, AL046945, AI685733, AI949272, AA744739, BE048727, BG114555, BF435319, AI623170, N98830, AW057572, AW152488, AW770518, AI741950, AI088454, AW029348, AI809597, AI566007, AI978798, AI692972, BF221868, BG036032, W81048, AI476244, AA570074, AI935758, AI202340, N36795, AI493394, BE350227, AW193549, W55927, AA771924, AI091618, N70184, AI636267, AI761576, BF002999, BE045949, AA503827, AI262075, W32113, W81101, AI978824, AU158072, AW594040, AW236700, AW665647, W61339, AA993456, AI769854, AI735436, AA830152, AI970837, AA830232, AA046321, AA860669, AI263107, AW965973, N66570, AI290430, AW451675, AW449960, AI832981, D30948, BF350785, D31284, AI014410, AI611085, BE973656,

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HOFNY15	1823	668259	1 - 1173	15 - 1187	AL514362, AU143540, BG036197, BG031637, BG035417, BE264998, AU126380, AW249380, BE788310, BE536878, BG025599, BF111644, BE467972, BE328861, BG028827, W90044, BF206124, BF699146, AI338045, BE669441, BE742742, N26338, BF507898, W79626, AA136405, W87443, BE348564, BE702225, T27099, R20623, BE769551, BE539500, R55686, BF364126, W79482, R13502, AW136308, BF194842, AA931694, N46128, W40494, AA081640, AA478905, AW058071, BE243883, AW182353, BG169663, BF372424, AA478787, AI186810, AI277412, AI767123, AA703389, AI282660, W90000, AI193958, C03423, W87306, AA916133, AW089844, BE393784, BF793017, AI933992, BF033757, AI874261, AI345688, AV728276, BF970768, BF812960, AV660592, AW169604, AI095003, AL039716, AI872148, AI802240, AI950729, AI628325, AL079963, AW151136, AW023338, AI434969, AW827289, N22276, AW170773, AI866469, AW162194, AI590043, AV682011, AI678446, AI364639, AI689388, AI638644, AI698391, AW193026, AI927233, BG113385, BF343167, AI439745, AI872423, AI583578, AI434255, AI961589, AW080346, BG104819, AI873638, AW089275, AI345415, AI554516, AW051088, BE780388, AI270183, AL047675, AI589428, BF814449, AI287391, AV681682, AV756148, AI539771, AV757903, AI919593, AI281757, AI619777, AI307285, AV682728, BE910703, AW983691, AW103928, AI621341, AW262491, AI696570, AA806719, AI932794, AL037582, AL037602, BG109347, AI800341, AI538850, AI345612, AV734591, AW191844, AW161202, AW983703, AI473799, BG110684, AW169634, AI587606, AI572096, AI627893, AI439452, BG180273, BG105011, AW102794, AI884318, AW129230, AI798456, AI917963, BG030601, AW166583, BG029053, AW149236, AV682468, BF750875, AW190042, AV710299, AW021717, AW089006, AI610402, AV682446, AW008085, AI345416, AI827058, AI570966, AW983832, AW834282, AL119399, AI613038, AI802542, AI473451, BF752858, AW128834, AI690748,

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HOFNY28	1824	603911	1 - 1219	15 - 1233	
HOFOC41	1825	712462	1 - 1183	15 - 1197	AF163863, M64428, AB029898, X52381, and X56219.
HOGAA41	1826	843499	1 - 5063	15 - 5077	BG254775, BG108135, BE871441, BE878263, BF681622, AV712602, BF983746, BF002768, AW994683, AW182331, BF665947, AA005186, AW576351, AW503446, AI813654, AI807485, AI692503, AA742257, BE813351, BF439629, BF984386, BF195174, BF342967, BF196799, AW978115, AW966350, BG258408, BE220109, AA405388, AW341378, AI823577, AI625854, AW058497, AV724447, AI583188, AW005353, BF431161, AI755213, AI188768, AW575006, AW503680, AI580806, AI453644, AW408762, BF589087, AI356039, AA641935, AA811446, AI688730, AI697175, AL040692, BE220461, BF436553, AW295100, BF814794, AI373268, AI370897, BF327496, BE327684, AW613550, AW674955, BE866395, AW304847, AW297606, AI083965, AI356878, W93204, AA847420, AI806028, N42034, AI688504, AA700033, BF221950, AW408815, AI187097, W78885, BE925799, AV682225, N25088, AI864188, AW993720, AI635637, AA740826, BF132751, BF061043, AI283468, W92700, N39376, W84659, N33102, W93112, AI017286, BF439705, AW182138, BE874136, AW651628, BF983657, AI591398, BF431534, H97687, AA989043, W86740, Z45904, AI014677, Z43414, AI014862, R93006, N32890, AV692886, H21750, AA772533, R72133, AV684427, F08609, AA641887, AV694902, R15210, AI571849, AW975425, Z39487, H03541, N44924, AA952892, AW970564, AA496693, H90132, D62522, AW167503, AA927054, AI393274, AW970877, T74445, AA658014, AW975035, AA978192, AI557391, R37528, AA188769, AA700698, AA316215, AW973814,

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HOGAB51	1827	825278	1 - 1620	15 - 1634	<p>AW971146, W01596, AI700405, N71250, AA494157, AI566415, AW340011, BF530611, AW504667, BF346854, BG059682, BE138690, AI797998, BE328286, AV683406, AA557945, AA533040, AI310670, BF345114, AI801563, AI224583, BF347042, AI754257, BF681222, BF853574, BF853009, AI572680, AA669238, BE501670, AW085751, BF346320, AI275989, AI590442, AW976008, H60912, AW238341, R99532, AW593631, BF828756, BF970818, AW902110, AA720582, AW971320, AI310787, AU160445, BF958502, AW501278, W45215, AA525807, AA493808, AW008217, AI278972, AW979239, AI869797, AW169183, AA425283, AA601712, AI609984, AI349130, AV717715, AA809125, AW902135, AI962030, AA610351, AA526542, AU147226, AI815210, BF814446, AV756663, AW813106, BG122782, AA904211, AI174703, AW389929, AI826857, AA493947, AW021674, AI609974, AL079553, AI610012, AI299442, AU159614,</p>

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HOGAH40	1828	790978	1 - 1634	15 - 1648	AL513604, AL517605, BF690381, AL516679, AL513603, BE275134, BF793047, BE746349, BF969250, BF026913, BE889105, BF026768, AL517606, BG167552, BG177334, BF982246, BE535427, BF971358, AL516678, BG261410, BF308534, BG171864, BF792980, BG027024, BE778436, BE778067, BF689434, BG256673, BF966063, BF794650, BE891879, BE892897, BE409862, BF672209, BE276001, BG108550, AI341488, BE887454, BE267471, AI301928, AI138618, AA205786, BE729030, AV727375, BE260215, AW978621, BF768548, BG117304, BE392268, AV706105, BG253377, AW673162, BF973697, BF383007, AW149756, BE697668, BF185508, AV649533, W02880, AW572327, AA648779, BF061324, BG171247, BE742627, AA722999, BE697673, N72131, BE261384, AW250545, AI143313, BE697656, AW239361, AA778153, N22676, BE385313, AA205972, BE855460, BG034394, AA115208, AA975522, AA115218, N28560, AW051329, N74513, AU151328, AI816051, AA132440, AI684632, BF694000, AI066687, AW517080, BF229889, BE697651, AW651701, W04149, AI890817, AA133166, AA610778, AI188488, BE887444, AA890364, BE047470, R60597, AA306737, AA676923, BF919006, N78846, AW513551, H99875, R86167, AI027574, BF438808, BF432528, AA100544, AW087876, AW005047, BG179502, AA478387, AI051375, AW628489, AA612824, W17120, AA857185, AI742806, AI885958, BF988684, AV649473, T16880, Z40040, BE162522, BG026306, N25924, F27504, AA812550, F37048, BF673044, BE267484, AA306517, H44264, N70121, R02125, N20009, AA992967, BF594645, W00380, W61269, D79703, AA953161, H44593, AI699050, F34802, AA927132, BF513680, T16881, AA132608, N39271, AA100543, BF089003, H63903, AA879072, C04563, H22159, Z43982, D79859, AA935906, AW470177, BF247949, R02239, AA694533, R00829, H22211, BF837246,

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HOGAP06	1829	823364	1 - 1712	15 - 1726	AI963720, AI801600, AA491814, AI334443, AW833862, AL046409, AV761925, F36273, BE160516, AW193265, AI350211, AW338086, AW996768, AI281881, AI431303, BG249643, AV763354, AI613280, AI053672, AW473163, BF668217, AW504669, BF854876, BE047069, AA469451, AW965008, AV760937, BF724767, AV710066, AV728928, AL042753, AA652764, AW276827, AW438643, AV762139, AI564185, BF677892, AV757607, AV740801, AI754253, BE502107, AA829225, AW975425, AI951863, AI345654, AL044940, AI619997, AI921476, AL138455, AW974109, AA503258, BG099291, AV762098, AW472872, BF942454, AI890348, BF679274, BE350475, BG058664, AI289067, BG236735, BF475381, AI053623, AW028429, AV728425, AW193432, BE154617, AW276435, AA613345, AI358571, AW962713, AI471481, AF330238, AV739901, AA587604, AW731867, AI270117, C75026, BF940837, AI341664, AI375710, Z98473, AW975266, AW969629, AW408717, AW630298, BE872393, AW303196, AW274349, AA581903, BG109996, AV742337, AI061334, AV725423, BG222267, AI859742, BF724372, AI688846, AW500125, AW963497, AV741609, AV742309, AI370878, AV764241, AI457397, AV764307, AL037683, AA177061, AW063143, AW301350, AV760777, BF528275, AV764578, AL119295, BF241967, AA594145, AV761745, BE811408, AI358501, AW261871, AI623898, AA535661, BE042649, BE327924, BE139146, AA828704, AI754658, AW272758, AW962981, BE677379, AV658688, BE049095, AV735495, AV742057, BG059568, AV760774, BF681427, AW515425, BF965007, AA846935, AI679782, AW088202, BE154719, AW004911, AW083402, AI801591, AW511743, AI745325, AA713815, BE389111, AI683577, AW243960, BF939954, AW970848, AI469624, AU147104, AI696962, BF916567, AW969694, AI286356, AI133164, AI634384, AA507547, AV719316, AI744995, AW974932, AI358229, AI471534, AA857486, AI475569, N53150, AW950797, AA649642, AI921188, AI434695, AA488746, AI017024, AW473467, AA984708, AA623002, AW083364, AL139349, AL136223, AC007358, AC009305, AL137060,

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HOGAR36	1830	834684	1 - 1161	15 - 1175	R70454, AA515100, AI354444, AW338444, R69465, AI300543, and AI003188.
HOGAR71	1831	722242	1 - 1000	15 - 1014	AI148864, BE673121, AW080794, AI188759, AW170514, AI832265, AW001480, AW471370, AA769641, AW168034, BF516562, AA552439, AI598083, BE869511, AI587171, AI151456, BF229956, AI221080, AW243807, AA621571, AI339143, AI471439, AA627704, AA512993, AA973368, AI279608, AW952945, AA194025, AA410196, AI050852, AI262321, AA832492, BF333880, AI189417, AI344709, AI984534, AI446633, BF036486, AI300760, AA580361, AA133687, AI206376, AW450853, AI271915, AA659629, AW006431, W07258, BE613433, AI435798, BG250319, AW818139, AA976596, N29871, AI950654, AA603691, AA875879, AI244806, BF439239, AW129649, AA812251, AA888824, BE742221, BE867358, AW172714, AA133726, BE612973, BE963095, AA577501, BE512714, BE868659, AA149786, BF824752, AA297386, BG248564, BG251850, AA631290, H95187, BE740431, W79526, AW571512, AA287234, BG251275, R47933, AI301669, BE872881, AA496489, AA297379, AA427910, R69472, AA151778, AA284504, BE074801, AI684150, BG248190, AA487702, AA297153, AA297484, AW170481, AA292774, BF037659, W79558, AI963760, AA394263, AA464649, AA487488, AI347951, BE280342, AI982682, BF764771, AI346482, AA287210, BF749186, T98961, AA297527, BE617957, AA297383, AW845358, AA133595, AA297453, AA557937, AI829191, AA808606, AI275661, AA496440, AA481372, BF034695, AI673125, AW292998, AI832503, AI828290, BF801101, BE962486, AI924092, AA428283, AW273245, AA298491, AI074095, AA421514, AI749779, T98835, BE617516, AA411012, N57294, AW997921, BF854746, AA948384, AA946812, AA133686, AA411355, AA862576, AI804146, AI982855, AW578145, N79741, BF743003, AW603662, AJ011497, AX013131, AC003688, AF087825, AK026651, AP001726, AK000653, AL110159, I89947, AB047904, AL162083, AF119899, I48978, A08910, A08909, AL137656, AF113019, A08916, AF130110, Y10655, AK026649, AL133075, AL137557, AF116609, AF130099, AL133113, AL110296,

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HOGCC26	1832	834792	1 - 1813	15 - 1827	<p>BF569217, BG109987, BG112845, BF570197, BE885451, AV758361, AV761853, BE871729, BG171419, BE896022, BG180860, BF027728, BE886119, AA075627, BE298906, BG117494, BF918008, AW004066, AI400438, BE780042, AW579804, AW239537, BE785163, AW005665, AW269698, AA291317, N36793, AW362882, AA722284, N28879, N21638, AW073406, BE151217, AW380737, BE151182, AW380577, AW054850, W81121, AI276523, AI090112,</p>

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HOGCD78	1833	610217	1 - 720	15 - 734	AU117016, AK025632, and AK023677.
HOGCK03	1834	847427	1 - 1378	15 - 1392	BE729460, BE789397, BE790299, BE868100, BG248814, BF026110, BE312991, BE272945, AI810244, AI813695, BF540784, AI206046, BE328473, AI446323, AI554510, N74626, AI126012, C02064, AV736124, BF854050, AA894356, AI307551, AI288327, AV741637, W00946, BG166009, AI589973, BF914723, AI696309, BF448479, and AW468549.
HOGCL01	1835	846353	1 - 945	15 - 959	BE792885, BF797106, BE796821, BE904160, BF307395, BE732101, AW027073, BF036728, AW955136, AL038494, BF346706, AI888327, AI361046, AI953282, BF184632, AW385192, AW385191, BF698575, AW072643, AI675185, BF103610, AW005989, AI193532, AV653780, BF436081, AI688965, BE866662, AA568251, AA766104, AA843521, BE391690, AI379780, N40017, AI934841, AI479734, N27282, AA588815, AA872441, AW194363, BE792655, AA602586, AW305055, AA557627, AA854085, AA807817, BF242076, AI357691, AA593135, AI948655, W86872, AI457174, BF697037, AW082605, AA493327, W86823, AI631373, BF883676, T51002, BE535342, AA730909, AA507175, AA259062, AA844181, AI280762, AA312467, AW105578, BF241800, AL038493, AW371305, T39725, AA844410, AA249773, BF823105, AA259061, BF090961, AA323906, AI927577, AA938071, BE410688, AW610217, AW581243, BE092630,

					AA894816, AW827228, AW827121, AW663332, AA835947, BE891834, BE895614, AL041587, BG168455, BF752892, BG167294, AI309306, AW025279, AI873638, AI440444, AL138376, AI564988, AI370322, BF968085, AI005511, AI568293, BE048004, AV686420, AV682997, AV686390, AV686417, AV694871, AI680221, AI564716, AA622482, AI433611, AI925685, AW151132, BF343174, AI801544, AV710199, AI141400, AL037602, AL037582, N29277, BF343238, AI783569, AA595932, AI254754, AW029489, BE885353, AW834282, F35362, BE874121, AV745810, AI538692, AW059765, AI203903, BF753023, BG255465, BG029219, AI365256, BG171119, BE393784, AI273856, AI583578, BE562685, AI094942, BF969994, AI589196, AA488429, AI963344, AI249274, AW983754, C21335, BF971328, BG250744, AV703970, AI185767, AI696570, AW149227, AV763279, AA769353, AI285448, AW951618, BF725168, BE884971, BG167120, AW081143, AI879377, AL041150, AV757853, BG032196, AI934000, AW193299, AW129106, AI537730, AI698391, AI687568, AV706915, AW168663, AI538850, AI445391, BF033757, BF344507, AL120706, AA766618, AI559782, AI862043, AI621341, AI828806, AW008781, AI888480, AV706532, AW833924, AV733953, BF727092, AA806181, AW023081, BF342070, AK024570, U02475, AF109683, AF119875, AF080622, AL050092, X86693, AF111845, AL110197, X62773, AF116631, AL080234, AF019298, AL110280, X82434, AB022159, AK000391, X59414, AL389935, AB044807, AF047443, I08319, AB047941, S83440, X99971, AK026534, E03348, AF126247, E03349, AL133640, X80340, AK025208, AF130068, AF217991, AB029066, AL122121, AF175983, AF106697, AR050959, M19658, AF116639, AK026885, AL035458, AL110228, AL133049, Y18678, AL133636, AK025906, AK027164, AX015416, AL162002, AF217973, A93914, AF155656, AF265236, X06146, Z82022, AK000618, AK000653, AK026608, U70981, U67328, AL133081, E12579, E12580, AF068615, AF183393, U42031, AF090900, AJ012582, E01963, AL031984, AF218005, AR020905, AF100781, A08456, A31057, X89102, AB048974, Y10080, AK027160, AF078852, AK024944, Y14314, AF119843, S68736, AK026631, AC008897, J05277, AF082526, AR082685, X66871, AF119899, AK026597, AK027116, AK026541, AF111849, AF217982, AL137529, AB050431, AL050208, AL080148, AK027136, AF074604, AL050280, U68233, I92592, AF172400, U62807, AF155827, X72889, X00861, I13140, AF078844, AX016706, AB031064, AF070632,
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					AB047966, AY007100, AL080162, AL117578, AB044560, A27171, S82852, AF116691, AL136884, AF244915, A86558, AF058798, X79812, AK000445, AL133070, AL117587, AB048913, AK025099, AL442083, AF110640, and AK026797.
HOHBB36	1836	847428	1 - 2249	15 - 2263	AV691357, AV690244, AV683444, AV685737, AV687879, BF979607, BF154506, BF751391, AI751497, AV687877, W25812, BF801867, BF106211, AV648090, BF803780, AL045193, AV691051, W27336, AU122786, AA333313, AV685834, AI367808, AA332338, AV685836, BF883944, AA305326, AA545813, BF733647, AA319757, BE971341, AW964512, BF571276, AW893698, AW293922, AA307338, AW954666, BF353933, AK000160, X68199, L00923, X69987, AK022489, L29138, AJ001381, and AJ001382.
HOHBC57	1837	813392	1 - 5069	15 - 5083	BF338706, BE796519, BE795031, BF757273, AW504454, AI023714, AI392873, AW504917, BF363368, T06335, AI459697, AW004011, AA947711, BF084899, BE696996, BF906040, AW972092, AW972091, AW968355, AW972093, AW968356, AW968729, AW971740, BE501815, AW969229, W27514, Z93783, AB029016, AL022238, AF275151, AL031589, AX030435, AX030436, Y17793, AR064707, and L10353.
HOHBO66	1838	853375	1 - 1776	15 - 1790	AL514591, AL515698, U51698, BF980392, BF525362, BE545041, BG119652, BF662991, AF142580, BF529862, BF792819, BF316356, AV661861, BE275539, BE897634, BE275581, BG120250, AW753619, AW369740, BG231720, BE514934, BE314321, AA625561, W72325, BF924219, BE646294, AW190127, AI744539, AW960688, AW958482, BF096207, BE843905, AI818046, BE312780, AI148823, AI911887, AI761511, AW250827, AI339159, BF242343, BE090100, AI092249, BF326698, AA210991, AA579979, BE275606, AV716564, AW402371, AW602002, BG249561, AA805668, BG109287, BE875739, BF576896, BG249196, BF032924, AU132598, BE889104, BF672317, AV714064, AV715127, AV717621, AV714198, AV713907, AV713990, AI207612, AI133220, AL038985, AV649250, AV734219, AV647955, BE909562, AV714647, AV714027, AV715811, AV714612, BG036237, BE677625, AI444571, AU127994, AL529892, BF673104, AV757743, AV714698, AV715067, AV715230, AV715535, AV717773, AA290643, AV711261, AV756185, AA305186, AV758452, BG035774, BE904072, AV714134, AV714607, BE259652, AV651042, BF691355, BG114310, BE780254, AW068844, BE877190, AV662310,

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HOHBZ10	1839	836519	1 - 815	15 - 829	BE746079, AB007829, I76233, and AR064707.
HOHCH71	1840	823101	1 - 2560	15 - 2574	AL524045, AW961662, BG259416, AA218943, BG259837, BE894668, AW298152, AW081663, BF037248, AI679551, AV745903, AA214551, AI633149, BF542115, AI683373, AW029613, BE567808, AW369997, AW369996, BF800362, AI863853, AI743203, AI304742, AL036561, AW391951, AW391949, AW081466, AI147232, AL036494, AA814067, AL036560, AI453772, AW661939, AA884185, AA723835, AI339752, AI679991, BF215907, AW273018, AV746189, AA863060, W45596, AW571719, AW016169, AV682453, AW081983, AI281778, BG180178, AV745374, AA846604, T03763, AA994653,

					R52405, AW391986, W69880, AA349567, N29740, AA127419, AA230170, AW007860, R67672, R63551, H04652, AI039566, W69792, R56190, AA127418, H14855, H04674, R52462, AA922754, AA043594, AI686722, R55917, N57160, AV745563, BE568017, AW390658, R37707, R43974, BF089048, R52463, R52406, Z44086, AW390673, AA228306, T96281, R61731, AA317085, Z36952, T96282, AA506214, AA213537, R55831, R56079, R33113, AW971409, R33261, R18963, AA043192, AA346985, H89018, R66072, R11788, T11042, R63506, H88794, T16494, AW591355, AA398453, Z38245, W45643, AA632706, BF799916, F05218, R57287, BF037591, BF086682, AA092757, BF081355, AV686598, D82279, AW945164, AW950681, AV725561, AW956498, AW955616, AV701951, AV706722, AW962650, AW958290, AW952108, AW965827, AV705104, AV729062, AW961510, AV704674, AW958127, AW955698, AV708191, AI525757, AV724986, AV707556, AW963221, AV726887, AV704916, AV695489, AV691061, AW961329, AW958033, AW950256, AV726770, AW966146, AW964298, AW961260, AV703361, AV705771, AV707628, AV646747, AW962278, AW963220, AV704542, AV703435, AW966684, AV687342, AW964383, AV704467, AV725067, AV707064, AW950748, AW954962, AV729517, AV705343, AW954344, AW957110, AW957083, AV704547, AW954352, AW956299, AV702586, AV706133, AV702435, AV725116, AV703442, AV727804, AV702055, AW950665, AW964423, AV706854, AW951774, AC005611, AC010424, AC005611, and AC008398.
HOHEB48	1841	800629	1 - 1565	15 - 1579	AW972059, AA668777, H61078, H61648, BE086425, AF085919, L10353, and AR064707.
HONAH67	1842	821419	1 - 2188	15 - 2202	AU136659, AW605849, AI686059, AU156813, AW262898, AW206777, BE392320, BE764706, AI650424, BF222321, BE770355, BF446747, AI123810, AF009784, AA225868, AW157645, AA594852, AI074519, AI637526, BF589349, AA401554, AA974022, AI470176, AI524727, BE162326, W15333, AA400141, BF828934, N41060, AA142936, AA398619, AI610312, AA362908, R76815, AV691696, AA150626, R91479, N45540, AA888909, BE674852, BE328009, AA993836, H08231, N59820, AA971468, N45697, R95037, BF996329, R27971, T80900, BF996182, AI299284, AA807623, BF996335, T99873, R62811, R91695, BG118546, R42279, R75984, AI204371, R62860,

					<p>BF086408, AI221294, AW890595, AW580282, AI140038, AI458689, AW996081, AA939174, AA393253, AI051076, BF954436, BG014895, AA713809, AA745765, BF848748, AW935956, BE146921, AA668223, BF746074, AI929719, W31690, AA928536, AI932694, AI300005, AA913388, BE670080, AI633617, W60265, AU149274, AW401376, AU144188, AA366260, AL022157, AK024334, AL353812, Z82211, AL133162, AC020951, AF079797, AC008976, AC003029, U60269, AC005946, L19439, Z83843, U95626, AL109658, AC016902, AC019173, AC011460, AC008567, AC008013, AC008543, AC073539, AF147396, AC020914, AF172470, AF172475, AF172474, AF172471, AL157789, AF172472, AF172469, AF172476, AF172477, AC005524, AF172465, AF172466, AF172467, AF172468, AC073898, AC007882, AL133411, AC003044, U91320, AC004699, AC007042, AC008155, AC007972, L19399, AL138810, AJ298105, AC007971, AF172473, AC005225, AL132657, AC008812, X91625, AL133445, U73641, AL139396, U65416, AC006046, AB000878, AC012442, AL135787, AP000506, AB000882, AL049740, AL031673, D86250, AL158830, AC009802, AC005498, AL117378, AC004862, Z95114, AL136419, D86258, AL009183, AL121749, AL132642, U60270, AL139826, D89667, U33547, AF088219, AL136295, AB016897, L19398, AF172463, AF172460, AF005487, AF114156, AC006040, AL009178, AF172462, U60268, AL160191, AC011297, AF086241, AK000909, AK022706, AC010279, AC025958, and AC026775.</p>
HOOAC84	1843	604043	1 - 1542	15 - 1556	<p>AA363357, BE843469, AW578988, BF846366, BF823596, BE767805, BF086466, AW277105, AI240086, BE674516, AW516498, AW898162, AW898158, AA484699, AA947997, AL036896, AW956346, AA601333, AA533977, BF993627, AU139063, AA174108, AU120423, AA569565, BE161048, AA722376, AA601376, AA505754, AA535558, AV744667, AV743378, AW613599, AI254463, AA809125, AI252005, AW967404, AW967403, AI433952, AA255832, T94858, AA428270, AW963625, AW148964, AA533660, AI090377, R99253, AW006124, N76974, BF868893, AW504667, AL044758, AA533066, AW893247, AA164352, AL518994, AA885570, AI114645, BF813551, AL048651, AI889236, BG180081, W24802, BF917597, BF914905, R96319, H40521, N58334, H59429, BF914402, AL038601, BF681271, AU137345, AA493546, BG152746, AA836615,</p>

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HOPBP13	1844	825243	1 - 2171	15 - 2185	AL048060, AA595661, BF917473, AI298079, BF675251, BE968477, AC004971, AC010271, AC008896, AC005695, Z85986, AC004583, AL034420, AC011510, AC006111, AC005037, AC021016, AL050349, U89337, AC005081, AL136418, AL008718, AL137139, AL160231, AP000045, AP000113, AC010328, AC008543, AP000252, AP001711, AC009516, AF001549, AC015651, AC009228, AF243527, AC005180, AC016543, AC004867, AC007938, AL121928, Z98044, AF045555, AC007842, Z84488, AL033529, AC006285, AC005410, AC002310, U95739, AL139184, AC020904, AL162458, AC004824, AC011469, AC006970, AC003109, AL033527, AC006536, AC012627, AC019227, AC011514, AL080243, AC008068, AL035422, AC006261, AC004382, AL137818, AC011475, AL354864, AC010150, Z68162, AL136984, AP001054, AC008745, AJ277546, AL136137, AC008760, AC005913, U52111, AL031255, AC020906, AC022407, AL109613, AL158040, AC006084, AL161670, Z93241, AC002350, AC008750, AC006312, AC073316, AC004980, AC011489, AL035455, AP001727, AC008569, AL132653, AC010789, AL020997, AL109798, AC006449, AL355392, AC003043, Z99716, AC007881, AC034246, AL109797, AP001748, AC005038, AC004644, AP000346, AF196971, AC005943, AL157789, AP001717, AF196969, AC006345, AC002312, AL049745, AL357374, AC011495, AC002470, AC005519, AC005324, AC004594, AL138752, AL049868, AC018511,

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HOQBG21	1845	822863	1 - 1635	15 - 1649	BE541249, BF791139, BF978848, AL121515, W19540, BF244603, BF669107, BF694810, AW452699, AI474330, W07290, AA621274, AA634530, N95050, AA971079, BE003065, N75806, AW206683, AI251000, AW816663, AW452085, AW840157, BF752666, AW856256, BE542214, and AA830998.
HORBI80	1846	877660	1 - 2651	15 - 2665	AL526077, AL526132, AL526388, BE739902, BE796925, BE797573, BE799223, BE905198, AI741844, BE792436, BE621392, AW997405, BF967616, BE408155, BE793905, AI808417, BE733499, AW939960, BF795705, BG113312, BG259317, AW997392, BG106786, BG037015, BE619377, BF530992, BF339233, BE263709, AU117046, AL133798, AI819038, AL526429, AW997396, BE263310, BG177403, AW996491, BE206882, BE261503, AW997399, AA778353, AI819598, AA056274, AI802595, AW250952, BE281525, AW083025, AA532790, AW250357, AI091294, AI218698, AI309971, AA312148, AW438887, AI078191, AA569346, AA723198, AA861795, BE267083, AI741009, AA434227, AI074249, AI095629, AW997390, AI858452, AA430361, BE293183, AW167932, AW152602, AA001542, H99702, BG149592, N64418, W01796, AA015980, BE186009, AI924472, N63071, BF897609, BE965480, AI884550, BF382612, AA223780, AA434313, Z43096, AA707251, AW450631, BE206768, BE621910, R34766, W84843, AA634375, W84796, AA627608, R44817, AA430413, AW952185, AW844483, AI638419, BE206915, AA305386, Z39189, BF766505, T30819, AI184435, BE895930, AA376205, AA496618, AA496492, BF081471, R20000, AA296408, BE538556, T31917, AA019079, R49640, AA015979, AA594571, AA223703, AA806356, AA732294, AI621254, AW794272, AA131092, AA131144, AI282614, AI074382, AA053825, AW168305, BE927105, AI886318, BF766541, AA352438, AW879726, BF475763, T35341, AI914902, AA769430, AA371028, AA909403, AA019078, BG231265, AI805017, D20962, AW997402, AA001515, AW879756, BF763644, AI784037, AJ271216, AK025984, D89340, AB017970, AK021449, and

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HORBL77	1847	852099	1 - 1244	15 - 1258	BF972674, BE731957, BE902748, BG114735, BE387360, BG250121, BE898022, BE780581, BE870909, BF976410, BF305646, AV649584, BE540622, AA779884, AI125996, BF915384, BE539139, BE264893, BE674944, AW131592, AI567118, BE745283, BG109618, AI682002, AI679084, AW732426, BE350897, AW675174, AA703931, AW673005, AW732437, AA476962, BE778459, BF733575, H39593, AL523848, BE257886, BF915392, AI572868, N48544, AI679655, BE256264, BF130752, BE251688, BF891884, AI937023, F25059, BF001324, AA603003, BF445750, BF917621, H40024, AI880284, AI205569, BF891927, BF240771, AA806137, AI880099, AL523847, AA421362, BF222892, AI953676, AW371117, BE251571, AI671800, AA991869, AA421264, BF529993, AW452157, AW138386, BF736756, AI610581, BF934979, BE257885, Z42221, AI360605, BF935048, BF927579, AW138992, BE939419, AA343373, BE350255, AI922385, BE696654, BF891917, AC026196, AC026196, AC018809, AC018809, and AC018809.
HOSBX14	1848	597456	1 - 1013	15 - 1027	AI918886, AL513693, AF159056, AF057177, AC006033, AC006033, and AC006033.
HOSCZ41	1849	665525	1 - 1234	15 - 1248	AW978388, BF433180, AA828461, AI130782, AI367621, T16396, AA233228, AA233152, AI699322, AA648256, AW769663, AW769676, AW023438, AA776718, AW249493, AW798552, AW798852, BF812403, H06840, AW581282, BF814363, AC022793, and AC022793.
HOSEM81	1850	846354	1 - 1005	15 - 1019	AL045400, AI949202, BG030768, AV722494, AL523109, AW341034, AW503668, AI742221, AI457593, AI659711, AW294146, AW502582, BF941542, AW117453, AV682255, AA007284, AV681634, BE621594, AI831343, AA167703, AA007297, BF114766, AI453271, BF109755, AW104340, AA651952, AA953675, AI308146, N71406, N24398, AW469928, W80499, AA682614, BF590144, AI672310, AI261825, AA570326, AA167705, N23801, BE464652, BE565902, AA613076, AI609587, BF436171, BE869101, AI750413, AA454747, N23529, AV712275, AW389835, AW953449, AI638265, H09651, AA844147, H40619, AA007285, BE350815, W78699, T90291, H10170, R36176, Z45416, AW513490, AW104247, T81472, AA580375, H82081, AA829173, R97011, F08943, H82588, R01651, BF792806, AI769181, BF792947, BF339138, R36082, BE786558, N40734, AI264708, R87068, R01652, C02538, AA372850, F08045, N42381, T81680, N90445, BG150812, AA621658, AW182295, AV710166, AA648936, AI243813, AI911709, AA815157, T08500, AW881571, AW881573, AA806010, R97248, AL445435, AL117631,

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HOSE083	1851	847083	1 - 1295	15 - 1309	AI140176, AI681532, AA953318, AI049704, AW020253, AW405199, AI367007, AI658938, AA181874, AA906108, AL079992, BG230786, AW265403, AA649873, AA307071, AA664666, BF976310, AI929239, BF973977, BE045169, AI022488, AI290891, BE044825, AW951740, AA528819, BG030036, BG109610, BE874278, BG110579, AW949762, BG150775, BG032781, AA503457, BG026640, AA229289, BF965510, AW270469, AW327622, AA876622, AW328199, AA503055, BF684239, AI797807, AA579215, AA503480, BF594871, AW328198, AI567415, AV724228, AI400619, AA503027, AA782836, BF976626, AA157035, AI022898, BG168670, BF974454, AA687214, BF793422, BG111113, BG164137, BE782073, BG034372, BF796162, AA888424, AW975641, BF969968, BG252012, T41000, AW327495, AI336022, AA579495, BG166381, AA746876, BG253217, BF796447, AA523701, BG111176, AI304880, AA521378, BF221710, BG111502, BG177385, AA661684, BF965709, AA642770, AA226614, AA654744, AA657547, AV681542, AA583850, AV740590, BF975105, AA651979, BF795735, BG110050, BG113623, AA143191, BG031936, AA650321, BE622562, BF797704, AI129528, AI924325, AI039891, AA568113, BG028107, AA514011, AI273339, AA483541, AW971948, AA876706, AA528702, AI085714, AI084424, AA146892, AI742666, AW238625, AI201879, AI061369, AI142581, BE676827, AW167601, AA483495, AA746758, AA483445, AA528691, AA528790, AA581400, AV756378, AI074422, AV711738, AA781581, AA228433, AA228434, AI146647, AI077682, AA890004, AA579288, BF971485, AA772741, AW328313, AA483758, AA985010, BE677037, AA805829, AI126740, AI052101, H51061, AA128680, BF212160, AA541680, BE535350, AW973184, AV706175, AA664549, AA865865, AI288815, AA730582, AI351263, AW674218, AA528715, AI203866, T91533, AI708287, AA575931, AA552609, AI719773, AV722211, BF594870, AA847424, AA664718, AA927148, AI272702, AA649680, AA502226, AI352448, AW511201, AA640315, AI141200, AA156088, AA483585, AI191305, AI749181, AI934465, AA846093, AV723685, AI523559, AV714670, AI685338, AW772709, AA230225, AA652927, AI609026, AA579230, AW105463, AI272850, AI185304, AW593309, AA936298, AC005019, AC005534, AL121871,

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HOSFR35	1852	845994	1 - 2241	15 - 2255	BF686215, AW580644, AW834901, AW834896, AW580639, AA194980, AI684705, AW580655, AA195070, BF105992, AW514774, AI697781, BF223883, AV649925, BG058711, AI819197, AI123245, AI340138, AV649873, AA972403, BE071784, C01500, AA506916, AU156480, R68723, AA922376, AI089830, AW778896, N51739, BE830967, R68671, BF095767, AI336787, BF875237, AL042789, BF907124, AA361103, AK023743, AK023530, AK000042, AK026333, and AL137464.
HOUAZ32	1853	600368	1 - 1645	15 - 1659	AW291187, BG033712, AL120619, AI743971, BE219254, AW603667, BE674732, AI075325, BF432861, AW956478, BE537830, BF570548, AA282984, AW603630, AW750678, AA479346, AA651858, AA283153, AI284277, AI350989, AA447376, AW603635, AA952994, R59797, BE552363, AA479455, AA379914, AA223848, AI221903, AI018782, BF743737, BF743743, H70379, Z44874, BE073325, BE073324, R20446, AA778739, F07594, Z42398, BE699455, AW015166, AW444921, BF515391, AA910991, AI376172, AI798800, AA972163, and AK026365.
HOUBC29	1854	872565	1 - 2831	15 - 2845	BE884795, AV730219, H84674, H90473, H90418, AI807053, H85052, AI475782, AW080008, AI950644, AV708972, F07580, F05819, R26623, H09443, N59669, R68715, AI688336, R17832, AV655855, AI139343, AA772575, AI540158, AA961704, AI079371, AA992899, AI677663, AV748498, BF439053, AI814443, W61023, AW517345, AA826567, AI566891, BF058318, AW575455, BF108669, AU133567, AA877769, AI573285, W60890, AI290964, AI362853, AU128647, AI342367, AA878305, AU138636, BE884623, AU118172, R35527, BF931271, R54248, BE161280, AW183735, AV713158, AA279122, AI022549, AI922961, AA653695, AA782509, AI829937, AI346311, N59680, AA994557, AA781255, AA883266, AU139525, AI248104, AA357134, AI189609, W90200, AA252322, AA252343, AA418949, AI368355, AA725304, AA495995, AA405465, BF576994, F06473, AA149772, AA758777, BF131830, BE973843, AA975190, AA452678, AA743044, AA151909, AA897185, AI393633, AA021095, BF128672, T53901, AA761072,

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HOUBG39	1855	601696	1 - 1633	15 - 1647	AA578045, AL079734, AA487569, AA578690, BE062476, BE062478, AA126635, BF868994, BE138594, AW301771, AW237905, BF526964, AI733856, AI053696, BF681619, AV647300, AA470577, AA828802, AA828781, BE266049, AV647277, AA535216, AW975378, AA167511, AV647497, BF691892, AV760915, AV647713, AA527209, F08248, AV760508, BF725844, AW979159, AI380617, AW188742, AW270619, AV647557, AA828758, AW772801, AI345695, T05118, BF928498, AV647459, AC005154, AC004106, AC002549, AL136365, AC004962, U91321, AC005736, AC005386, AL163278, AC009953, AC009032, AL162151, AC006080, AC008379, AC015971, AL137859, AL442167, Z93930, AC005138, AP001754, AL163285, AC007051, AP001719, AC007347, AL390738, AP000317, AP000051, AP000166, AP001330, AC008068, AC004912, AL096791, AC007739, AC004216, AL163267, AL390039, AC002070, AP000119, AC007386, AP001730, AC011445, AC007677, AC007277, AL079342, AL109938, AC005047, AC009123, AP001732, AC016576, AL023807, AC006013, AF311103, AL137009, AJ011930, AL163209, AC005476, AC044791, AL163853, AP001695, AP000014, AP001727, AP001601, AC007298, AC005041, AC002091, AL118505, AL117356, AC007225, AC020908, AC019060, AL049760, AC000085, AC016898, AC007098, AC006334, U95743, AL034402, AL049874, AL121977, AC020550, AP001671, AF165175, AP001067, AP000143, AL445669, AF117829, AC026694, AP000088, AC007907, AL021407, AL109865, AC083864, AP001711, AL160231, AF111168, AP000248, AP001693, AP001698, AC022816, AP001670, AC009530, AL139099, AC002288, AC011890, AL137145, AL355101, AC004021, AC007649, AP001714, AC007425, AC024164, AP001708, AL136527, AF064858, AC024239, AC002381, AL109918, AF055066, AL139353, AC004965, AC009362, AC005291, AC003695, AL160033, AC007012, AC012076, AC008072, AC007282, AP001328, AC021049, AL357153, AL049610, AL391839, AL449217, AP000140,

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HOUCD12	1856	605006	1 - 626	15 - 640	N57681, AI636734, AW089322, AI278972, AW574794, AI801591, AL042373, AI733856, AA847499, AW341978, BG000961, BF668217, AA120920, AI061313, AA297666, AL046409, BE138484, AA788592, BF939548, BE062159, BF940837, F36273, AA463590, AV691147, AI801600, AL037910, AW872676, AV701116, BE042649, AI869838, AW029038, AC007055, AC007225, AL365505, AC003029, AL138741, AP001711, AL109825, AC007193, AC005920, AC006285, AC005871, AP001718, AC005225, AL035587, AL031311, AC006449, AF243527, AL133246, AF038458, AC006026, AL137918, AC011479, AC005082, AF196779, AC007388, AL031659, AF001549, AC008569, AP001630, AL133448, AC011497, AC005015, AC006530, AC006330, AL162424, AP001748, AC009032, AC004883, AC011464, AC083871, Z95113, AC005531, AC005519, AC004990, AC007383, AL445483, AC004099, AL021154, Z93017, AC005480, AL117381, AC025442, AC010077, AC008474, AL353653, AC005522, AC005668, AC005261, AJ295844, AL499628, AC008403, AC020744, AC010412, AL133258, AC005726, AC018738, AC020916, AC005081, AC004913, AP001695, AL391114, AC020904, AL117694, AC005377, AC004089, AC011450, AL137141, AL121983, AC008736, AC000025, AC083863, AL158206, AC002369, AL117333, AC005103, AP001760, AP001725, AC008806, U85195, AL049776, AC004079, AC010643, Z99716, AL136295, AJ246003, AC074338, AC084693, AB023048, AL109976, AL023284, AC007421, AC008267, AL161781, Z82214, AP000031, AL109804, AE000658, AL050349, AC009086, AC004166, L44140, AC005000, AL121845,

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HOUDB17	1857	603417	1 - 692	15 - 706	AI755057, AA736485, AW275432, AL036750, AV759557, AC010618, AC003982, AC007327, AF165926, AL356299, AC005098, AC006483, AC004166, AC009087, AL022328, AC008569, AC004867, AL162504, AL161445, AC021876, AC009086, AC006064, AC027319, Z85986, AL137039, AL139099, AL121914, Z82190, AL160175, AC005261, AL031283, AC005669, AC007546, AL450226, Z84466, AC005047, AC007637, AC006329, AC004686, AL137073, AC004216, AC009955, AC083870, AL033529, AL163285, AL354720, AC008745, U95740, AL442167, AC009480, AC008050, AL022329, AC020552, AL138752, AC011811, AC004923, AC020629, AC005216, AC005920, AC011895, AC004518, AL132639, AC012099, AC074331, AC007707, AP001695, AC018639, AL355392, AL135901, AC004929, AF129756, AC008536,

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HOUDX40	1858	603442	1 - 1250	15 - 1264	AI475927, AI540804, AC020629, and AC020629.
HOUEF84	1859	862051	1 - 2235	15 - 2249	BF980339, AV756937, AW949719, AI693066, AW960433, AI742210, BG035771, BF218174, AA526973, AI492295, AI630858, BF223217, AA805658, AA722345, AI949640, AI709199, H97817, AA812037, AI798296, BE878571, BF431686, AI702008, AI061070, AA291069, BE542240, AA769216, AV756767, AA430990, AI886781, AA305660, AA151466, AW079292, AA322302, AA731251, AW104243, AI273962, BE935653, T29233, AA737377, AA021490, AA370537, AW195995, AI440095, AI471330, BF111798, BF571218, AA370536, BE327813, AL119276, BF218151, AW804356, AI567817, BE180006, BE180005, N57587, BE881886, AB005540, AF086067, and X66360.

HOUEJ43	1860	658713	1 - 1436	15 - 1450	AL040701, AL040702, AI139906, AI018394, AA393426, AA435694, and AK027205.
HOUGS36	1861	862052	1 - 1631	15 - 1645	Z83306.
HOUHQ36	1862	793750	1 - 965	15 - 979	AA149938, AA150524, D80022, AV720211, AW966043, AW975618, D80043, D80391, D59787, D80196, AW966059, AW973490, AV699550, AW960454, D59859, AW960553, D59467, AW964488, AV719557, AW973330, AW958993, AW973488, AV699447, AW973474, AW949656, AW978661, D80253, AW966030, AV719822, D80166, AW978634, AV718692, D59619, D80210, D80240, AV719324, D57483, D58283, C14389, AV723927, AV699866, D81030, AW959799, AW949642, AV720533, AW975621, AW959628, AW975613, D80188, D81026, AV720731, AW966032, AV718489, D80212, AW959136, AV719783, AV718931, AV720464, D80219, C14014, AV722801, AW966029, D51423, AW966053, D51799, AW973307, AW964468, AV718938, AV718633, AW975605, AW966075, AW966065, AV718707, AV720878, AW973473, D80366, AA514186, AW965196, AW959202, AW965184, AW960465, AW966050, AW973334, AW966531, AW949653, AW966534, AW964532, AA305409, AW966013, D59610, AW973541, AV701839, AW966022, AW966054, D80195, AW959570, AV718844, AV720616, AW965163, AV720151, D80164, AW966041, C14331, AW973447, D59502, AW978648, AV719468, AV718800, AW965185, AW965197, AW962395, AV718770, D59275, AV720791, AV720203, AV724520, AW964756, AV719188, D80227, AW966062, AW949654, AW949631, AV718440, AW949643, AV720028, AW949618, AW959597, AW960473, AW965177, AW949655, AW973485, AW965175, AW973482, AW958992, AW959062, AW964477, AW956434, AW949641, AW962082, AV699927, D80133, AW964737, D80024, AW949630, D59889, AW960532, AW956397, AW973445, D80251, C15076, AW959582, AW949629, AW949645, AW949657, D51060, D50995, D59927, AA305578, D80269, D80241, D80038, D80193, D51022, AW966398, AW962245, D80248, D80045, D50979, AW949646, AW975623, AW966385, AW949658, AV701004, AW959469, AW966369, AV721386, AW965158, AW949633, AW949632, AA514188, AW952839, AV718530, D80247, AW966368, AW966397, AW965176, D80522, AW360811, AW966380, D80378, AW966399, AW752082, AW753053, AW177440, AV700889, D80439, AW966023, AW966333, AW966331, AV720812, AW966378, AW966386, AV723097, T03269,

					<p>AW966332, C14429, AW178893, AW960564, AV699652, AV699746, AW966330, AV720035, AV720729, AW960504, AV720150, AW950578, AW966388, AW966342, C75259, AW966400, AV718487, AV750778, AW375405, AW960570, AW949498, D80268, AV719049, AV700229, AV720104, AV699669, AW966389, AW966379, AV719628, AV702365, C05695, AV720654, AW952852, AW179328, AW966329, AW366296, AW973465, AV719913, AW377671, AW360844, AW360817, AW966377, AV692290, AW375406, D80157, AR018138, AR008278, AF058696, A62298, AX033851, AR070327, A84916, A62300, AX027925, AB028859, AJ132110, AX047063, AX047064, AR087649, A67220, A82595, AX021518, D89785, AB002449, X67155, Y17188, D26022, Y12724, AX035434, A25909, AR060385, AX028130, AX020191, A78862, D34614, AJ302649, AX020190, A94995, AX047062, I50126, I50132, I50128, I50133, D88547, AR066488, AR008443, AR016514, X82626, AR060138, A45456, A26615, AR052274, AR092424, AR016808, I14842, AR074139, A43192, A43190, AR038669, Y09669, AR066487, AR074136, AR025207, AR054175, A30438, AR008277, AR008281, Y17187, A63261, D50010, AR091537, AR066490, AR062872, A70867, AR093385, AR016691, AR016690, U46128, AF260572, I18367, AR008408, A64136, A68321, AR074545, AB012117, I79511, D13509, AX015396, AR060133, X68127, AR071754, AJ287395, A85396, AR074141, D88507, AR066482, A44171, AR088705, AX042372, AF123263, X72378, A85477, I19525, A86792, AR032065, X93549, and AR008382.</p>
HOUIG68	1863	793749	1 - 2938	15 - 2952	<p>AW165998, AW296050, BF029096, BF573308, AW190853, BF541045, AA449298, BF210943, BE327538, BF057332, AI808988, AW118016, AI457479, AI374617, BG163810, AW874515, AA443647, AI983444, AW769262, BE669668, AI610622, AI005202, AW449800, AW439916, AA035250, AI342190, AA443582, AA043165, BG164654, AI792116, AI453257, AI818265, AW851142, BE883104, AA001551, AW316575, AA554379, AI142670, AW451445, BF242668, AW316559, AA086078, AI334711, AA829745, AW051471, AI039310, AA912403, AA477046, AI791452, AA476932, AU154354, AA040701, AA864721, AA525173, AI680847, AI640674, AA037629, AI864176, AI791331, M85649, AA000974, T34109, AA978308, N66224, AA037630, AA295403, AI520782, AW368197, BG169493, BE218143, AA376811, H85188, AA319574, AA429077,</p>

					AW960812, AA490969, AV694610, AA035143, AW103545, BF753806, AI497738, AA035249, N98296, AA630292, BF028877, AA281575, BE142243, N54034, T10389, R95462, AA482032, BE708118, H84655, AI693282, AK027020, AK001670, AC023984, AC023295, and AC023295.
HOUIG92	1864	793764	1 - 1103	15 - 1117	BG169286, BF982486, AA403040, AW603518, AW795879, BF669565, BF664815, AI817085, BF701413, BF939099, AI962996, BF435713, Z99402, BG255862, N32779, AW362997, W02847, AW083126, N45208, AW404100, BE079706, AV717135, W93526, AI377138, AV714878, AI341134, AI015850, AI142484, AA284577, AW205205, AW778997, AA029318, AI937265, AI378338, AI553900, AI127275, AA029870, AI192217, AA034261, BE673091, AI750749, W02901, AA397746, AA010119, AI138935, AA063540, AI380419, AI089983, AA848078, AW952102, BF447168, AA010120, AI626121, AI338108, AA768222, AI627423, W57933, AI560705, AI129797, N23349, AI833162, AI811851, AA151787, AA435721, AI271933, AI954522, W86320, AI583994, AA664006, AI219904, AW380683, AI308115, AA598796, AI499959, AW148764, AW083246, AI570026, AI754006, AI752960, AA114912, BF447261, AI143983, AA813200, AI187891, AA114911, N68346, AI040747, AW072909, AA460988, AW088035, AW627696, BF222694, AA002134, H46412, AA401331, N75856, AW262644, AA908232, AW244018, W42922, AI373406, BE151047, BE774062, AI695820, BE858641, AI085193, W86193, AA026547, W35294, N71622, AI373861, AW795865, BF970382, T23698, AW024882, H43941, BE695156, R71330, H18093, AA757067, H18133, D62740, W42921, N41782, AA002089, N72910, H21961, N71660, R49431, R67328, AW134968, R86967, R66491, AA724972, Z39711, AA284833, R21610, H45361, H21766, R21508, AA317335, R28152, N28885, BE769235, R28153, W04681, AA777021, H46652, W31764, D79436, BE769232, H09259, R89156, R71331, R63091, AI964040, T16441, BE504712, AI022968, BE816527, BF350314, W32897, R40440, AA622164, D79243, AA504043, R86886, AA503946, AW006598, AI139052, AI472693, N22061, AW139001, BF081572, AI824586, H45286, BF982701, AA649663, AA026546, BF948472, AA279849, AA013486, N28821, N22589, AI080316, BE931453, W01581, N32389, AW964468, AW966389, AV702035, AW949645, AW975618, AW973445, AW966330, N46285, AV724520, AW964532, AV718489, AW960553, AV718692, C14331, D59653, AW966378, AV720150, AW949629,

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HOVAD93	1865	821333	1 - 846	15 - 860	BG113385, BE789764, AI254727, AI446248, AL513907, AI978703, AI270183, AV759054, AI318280, AI560099, BG112718, AL513999, AV681848, BE785868, AW080746, AI812015, AI564719, AI252023, AL514205, BF337388, AI677796, AL514357, BG168549, BE886827, AL514983, AI818574, AW149925, AL036361, BG027679, AL038715, AI698391, BF812938, AW084425, BF089679, BF814527, AV760466, BE620084, AI802542, AI800155, AI538829, AI815855, AI926790, AW088793, BF812960, AL119863, AI619502, BG109221, BG029829, BF526020, AW026882, AI344928, AI433157, AI702073, BE048238, BF812961, AW983783, AI932794, BE621256, BG120816, AL121365, AI288285, AI919500, AW983829, AW087445, BF934149, AL079963, BG260287, AV764180, BG058150, AL037454, AV714485, AL514473, BE048131, AW162189, AI923989, BF061283, AI536685, AV647118, AI537244, AV682466, AI890833, AL513977, BF868489, BF970768, AI344933, AW827289, AV756091, AW074172, BG107995, BF792961, AL514899, AL119791, AI687362, AV682787, AL038076, AI590227,

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HOVAE10	1866	604932	1 - 1072	15 - 1086	BF939996, BF591551, AI820021, BF939948, AW303980, AI422115, AA912106, AI652224, T57773, T60673, AC022034, and AC022034.
HOVAE36	1867	707399	1 - 955	15 - 969	AC025504, AC025504, AC025504, and AL139138.
HOVAE82	1868	826447	1 - 1192	15 - 1206	AC011452, AC020914, AC011452, AC011452, AC011452, AC021154, AC021154, and AC021154.
HOVAJ68	1869	741098	1 - 1609	15 - 1623	BF854778, AA743445, AW851821, R96107, AA856873, AU119698, AU119446, AV759085, BE179910, AW271977, BF941204, AW468372, AA668340, AW007450, AW021951, BE062555,

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HOVAW46	1870	892162	1 - 1356	15 - 1370	AP000035, AP001713, AP000101, AP000264, AP000101, AP000101, AP000177, AP000177, AP000035, and AP000035.
HOVBB19	1871	843768	1 - 737	15 - 751	AW575605, AL038837, AL039074, AL039564, AL039109, AL039108, AL039156, AL038531, AL039659, AL039625, AL039648, AL039629, AL039678, AL037051, AL037726, AL039128, AL040992, AL036725, AL045337, AW975161, AL042909, AL039150, AL039423, AW973101, AL039538, AL039410, AL036973, AL045353, AL044407, AL044530, AL039386, AL039085, AL043441, AL039566, AV701017, AV701043, AL039924, AW972609, AL039509, AL038821, AW973200, AL036196, AV701431, AL037526, AW973190, AL037639, AL045341, AL038025, AL037615, AV701332, AL043445, AW969383, AV720034, AL043423, AL036767, AV745080, AV701248, AL036418, AV735727, AW979144, AV718023,

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HOVBD31	1872	596902	1 - 2315	15 - 2329	AR093392, and A70040. AU121259, AU134097, BF966608, AU133694, AV702930, AV706660, BE501503, AI828871, AI632478, AI341141, AU154926, AW965681, BE349191, AI693381, AU155204, BF056756, BE677386, AI360581, M78328, H15266, AI075746, BF062227, H16461, T33886, H05873, AA502521, H15267, Z43404, AV726866, T04846, AI267614, AI971581, D55804, R40400, BE069654, C14146, T07470, Z43820, AI002813, H05766, AA513928, Z38291, AW902172, BF344924, R13014, AL119399, AL119457, AL042544, AW961037, AV729439, AL042382, AV727990, AV707296, AV687535, AV709390, AV708992, AV683272, AV654896, AV685966, AV709869, AV728806, AV701620, AV703042, AV727839, AV704182, AV708075, AV705341, AV693527, AV707024, AV707767, AV702833, AV708834, AL079794, AW958647, AV645906, AV690007, AV728670, AW954031, AW877209, AV727512, AV729189, AV702117, AV702932, AV706987, AV704269, AV707727, AV706775, AV726784, AV727980, AV704934, AV726738, AW960594, AV705323, AW949931, AW960326, AV705693, AV707274, AW953967, AV729259, AV655425, AV651436, AV701580, AV726229, AW951263, AV708004, AV703263, AV701560, AV707889, AV704824, AV706185, AV729462, AV703472, AV702147, AI557426, AV656903, AV708622, AV660515, AW961463, AV655280, AV686346, AV725055, AW961388, AV726605, AV708653, AW966420, AV704696, AV683513, AV696257, AW951618, AV652027, AV708723, AV703695, AV727799, AV706744, AV648430, AV702994, AW952439, BG164558, AI525653, AW952457, AV684417, AV702430, AV705632, AW949453, AW950438, AL119511, AV659536, AI541048, AV721957, AV703222, AV651983, AW951273, AV687035, AW959910, AV698087, AV703970, AV662081, AV652443, AV650024, AV708704, AV706915, AV726951, AW949433, AW965144, AV705384, AV661704, AV689111, AV704955, AV703168, AI525669, AV728518, AL079741, AV728157, AW953787, AV706721, BG166654, AI541056, AV705280, AV708980, AV650703, AV709604, AW965502, AV660662, AV729451, AV728592, AV727776, AV696187, AV702623, AV729263, AV703372, AV659322,
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HOVBE81	1873	862054	1 - 939	15 - 953	AF058701, AF071798, AF035537, AF157476, AF179428, AF179429, AF078695, AF083464, and AB031049.
HOVBI16	1874	581097	1 - 918	15 - 932	AI190293, AI798010, AI762153, AI049985, AI956120, BG169342, AI818401, AA702499, AW473538, AI955273, AI363230, AI828885, AL526489, AI859743, AW173496, BE614179, BE906437, AI669645, BG117927, BF795138, BF690223, BF690258, AI857921, AI804605, BG257501, BE621731, BE871645, AI201138, AI683755, AI911640, AA165696, AW393001, AW393031, BG236283, BE910188, AI829063, AW173395, AW615442, BE301778, BF116214, AA479599, BE622935, BF979043, AU145734, AW771383, AW572473, BF339337, AW300822, AA596046, BF375548, AW582614, BE301466, AW027354, AA595724, AA771743, AW131236, AW373241, BE962384, BG122375, AW373240, AW385457, AW582609, AW614762, AA620729, AA636056, AV751890, AI937078, BE618545, AI568848, AW609932, AW373238, BE622618, BE867416, AI625640, AW770114, BE397951, AW369477, AA587670, BE207847, BE893771, AW577311, AW166370, AA599491, BE896326, AA165704, AU154025, AA434334, AI683882, AW373247, AA434254, AA401455, BE513667, AW577316, AI003433, AA845186, AA663435, AU149228, BF753086, BF528548, AW749661,

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HOVBS68	1875	596823	1 - 1798	15 - 1812	AW898615, AA652947, AI436356, AA525003, AW665996, AA927288, AI147117, AA923427, BF803767, BF802769, AA280367, AW834427, W69203, U63721, U91321, AC011540, AF196971, AL353807, AC011138, AC011138, AC011138, AL354718, AL354718, and AL354718.
HOVCC73	1876	610041	1 - 580	15 - 594	AL513979, AL514657, AL514085, AL513779, AL513817, AL514087, AL513907, BE966577, AL514543, AL513597, AL514691, AL514473, AL514511, BE966443, AL514793, AL514093,

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HOVCF30	1877	638142	1 - 895	15 - 909	AU154786, AL524381, N36090, AL524380, AW819736, AW386802, AU153360, AI262792, AI469908, AI625857, BF668911, AI695258, AU151229, AI360364, AW451926, BE884341, AW063658, BG027948,

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HOVCJ71	1878	846487	1 - 1449	15 - 1463	BF983919, BE218599, AW961056, AI983044, AI580153, AI991167, AI337252, AI339096, AA458509, AA730190, AA101706, AA430395, AA515880, AI685419, AW024382, AW026094, BF856686, BE856310, AW852317, AU147571, BE856703, AW377575, AU154893, AI271608, AI739564, BE326844, N20978, AW753013, AI588871, AI201896, W85910, AW675155, AW672987, T26533, AA009813, AI695716, N66679, AA262979, AW008980, AW117483, AI739268, BF477914, AI469834, BE328727, AA101707, AI159869, AI800118, AI049995, AI689764, AW139228, AI393298, AA702573, AA677590, AA582421, AA971286, R39883, AA904453, W78925, W40584, AA977918, T26532, AA973696, AA339046, AI097595, AI762231, AA454590, BE219638, AI401782, N49212, AA454591, AI291020, AI681404, BG149193, T07386, AA534707, AI669865, AI091861, N98987, AA452238, AA846818, AI418017, AW189752, BF437288, AI769982, T87353, AI363808, BF034414, AI052128, AA339471, AA151064, AI914129, R13585, AI023007, AI038705, H05824, AI084242, AI926110, AW590852, AW197297, T78860, AI424269, BE868890, AI524293, AI669931, AW873757, AA355695, D30993, AA150827, D55501, H84638, Z38902, AI547249, AI392826, Z42748, N50264, AA009812, H85180, AA868049, AW883430, BE763367, T24606, BE828385, D25895, AA335289, H06117, AL355708, AL390182, AL359597, AC068397, and AC009660.
HOVCN53	1879	604944	1 - 795	15 - 809	AA828071, BG166654, AI440260, BF725644, BG179250, AI539260, AI499478, AI240978, BG167415, AI538850, AI358271, BF724911, AI696714, AI373276, AL119457, AW151132, AI440238, BG167830, AV743129, AW148356, AI559752, BG108195, BF525423, BG122005, AA641818, AI298321, BE393784, AI927233, AI446536, BG119543, AW078818, AI432644, AI651840, AI537677, AI494201, AI961589, BF812963, AI804505, AI500659, AI815239, BE883591, AI866465, AI815232, AI686817, AI801325, AI866691, AI500523, AI887775, AI582932, AI872423, AI923989, AI590043, AI284517, AI500706, AI445237, AI491776, BF811804, AI289791, AI926593, AW151138, AI889189, AI521560, AW151974, AI500662, AI285417, AI582912, AI539800, AI284509, AW172723, AI538885,

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HOVCO53	1880	564632	1 - 1569	15 - 1583	AW862537, AW995834, BF846522, AW418542, BF846542, BE185269, R84390,

					<p>BF891747, BG000049, AW510344, AA262606, BE206718, AW248583, AC026432, AL157789, AC005144, AC005295, AP001712, AC002302, AL031681, AL035405, AL163248, AL160176, AL121985, AL031776, AL137017, AL138725, AL009030, AC005020, AC005886, AC004966, AC004054, AC078842, AC009401, AL161788, AL136985, AC008154, AC004087, AL035087, AL136529, AL009179, AL078597, AF207955, Y10196, AL008638, AC008372, AC008015, AC000038, AC004696, AP001607, AL138715, AL117329, AC002287, AP000459, AC011284, AP000119, AL008711, AC007649, AC007739, AC006337, AL356415, AP000317, AP000051, AC002449, AL163218, AC078845, AC027689, AC019230, AL133153, AC006390, AC002040, AC002288, AP001719, AL050309, AP001687, AC006992, AL360178, AP000098, AL049821, AC018546, AL353640, AL132987, AC009275, AC004815, AL356967, AP001700, AC003668, AC007749, AC009477, AC005815, AP001675, AL138726, AC061958, AL136501, AP001730, AC002480, AL163208, Z86064, AC023344, AL356108, AL121785, AL132988, AC002492, AC006299, AC009487, AC009196, AF015416, AC007263, AC005998, AC012049, AC016526, AJ006996, AL163202, U73637, AC026184, AL096710, AC018767, AC005229, AL355537, AL357129, AC005908, AC007316, AL353643, AP000159, AP001698, AL353812, AP001759, AC007907, AC084732, AJ277662, AC004470, AP000431, AC006440, AC005323, AC006288, AP001604, AC004911, AP000563, Z97181, AL023279, AC004159, AF093117, AL022152, AC011478, AC000388, AP001699, AC026341, AP000018, AC007786, AC004805, AL391071, AC012050, AL355799, AC007437, AL031654, AL023578, AC069298, AL159996, AL162292, AL163280, AC004769, AC006065, AC009495, AC002383, AC024255, AL133162, AC004887, AP000211, AP000133, AP000259, Z98753, AC004053, and AP001711.</p>
HPASF94	1881	813610	1 - 338	15 - 352	<p>BE350621, AI282954, AA493363, AI972538, AW593363, AA926671, AW085179, AW024309, N47964, AI961804, AI378107, AI670127, AI961268, AW118347, AI358358, AA406108, AU154925, N48170, AA781362, AA573497, R43394, AW572249, AI921126, R59556, AW518341, W42864, AW009029, AL527531, F10419, R38643, AL530637, AI911823, BG258647, AA807961, AA025090, AI926438, AI417355, AI829357, AA689390, W42919, AL080126, AL137394, AK001786, and AB014583.</p>

HPBCG26	1882	844660	1 - 439	15 - 453	<p>AW195493, AA364290, AI658566, AI433611, AW025279, AI699020, AW168791, R39624, AI536563, BG001315, AI500061, AI818562, AI582912, AI679487, AI288285, AW081343, AL513713, AI699011, AA830406, AI446511, AW130362, AL040528, AI690813, AI401697, BG029058, AA908294, AI524179, BF814449, AL038529, BE084795, AL037582, AL037602, AV750565, BE621256, AI471429, AI620056, AW090102, AW151132, AI873638, AI802542, AW081298, AI472753, AL046385, AW129264, AL044192, AI698391, AI497733, AI679550, AI344817, AI050666, AL515321, AI345415, AV747571, AW194014, AW959800, AI972170, AI699067, AI095003, AI624693, AI802244, AI537991, BE897632, AL041150, AI932739, AI583578, BG105710, AI309306, AL042382, AW007555, AW827289, AI539071, AI950729, AI818353, AV758763, AA761323, AW198090, AW168677, BG105848, AI096771, AI570861, BE544111, BF909758, BF724894, AI955943, BG104819, AI371786, AI432969, AI688858, AI355277, AL043196, AI927233, AI863321, AI499279, F27788, AV756176, AL514951, W38553, AI963191, AW104641, BF868489, AW105429, AI689470, AW081866, AV707425, AW051059, BG254754, AI355779, AI571439, AI969641, AW083572, AI671673, BE877467, AI479292, AI918554, AI583032, AI439978, AW083484, AI521095, AI804505, AW152415, AI628284, AI689420, AW265004, AI538850, AW118475, AW082532, AW026730, AI613038, AW020397, AW020932, AW084151, BF835240, BG167830, AW008353, BE892572, BF525786, AI680377, BG114304, AL119399, AI696714, AI915295, AI345612, AL514375, BG171581, BE892503, AI365256, AV656932, AW188840, AW078650, AI560679, BE393784, AI677797, AA514684, AI832245, AI368579, AI571511, AI345416, AI866780, AI270183, AV709390, AI673363, AI446405, AV728157, AI536664, AW263709, AI580027, AI371984, AI961587, AI364639, BE910373, AI439443, AI470284, AI963846, N75779, AI300294, AV729189, AA748343, BF911517, AI950877, AL138386, BF726231, BG106858, AW409687, BE963810, AI890051, AI636619, AW089275, AI679916, AW166870, AI925404, AI955859, AI254814, AI537677, BF797305, BE872082, BF724198, AI961286, AW161202, AI244380, AW151031, AI359787, AI419440, AI436644, AV757158, AI678599, AW963242, AA743430, AW827285, AI929108, AI500714, BF344507, AI174394, AI240978, AI926794, AI565172, AI338159, AI566724, AI648567, AA761573, AI540606, AW023871, AI445131, AV692389, AI305745, AI765469, AI920835,</p>
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HPBCT11	1883	825226	1 - 982	15 - 996	AA364818, AC018774, and AC011221.
HPBDE33	1884	853660	1 - 2430	15 - 2444	AU121983, AU142011, AU140553, BF310789, BE298155, AA780275, BF308182, BF305747, BF589646, AA524472, BE814909, AI796214, AI800089, AI620874, AW119178, BF445851, AW292287, AU147700, AI493093, AI521627, BE836137, BF055031, AI376017, AA759333, AW271577, AA644380, AW139649, AA649884, AA448215, AW206907, AA912175, BF995517, BF995586, AA478455, AI493371, AW296774, AA514321, BF995565, AA995890, AV752143, Z44658, AI269124, AV752672, AI826250, AI394047, AI380014, AI800874, BF063946, AI571955, AA448357, AA865884, H95104, AA365259, BF829930, AI640852, BF965350, AV752590, Z40511, AI903543, AW840999, BF758054, BF812767, BE927556, BF887696, BE836149, AI910449, AW841040, AK022311, AL080121, and AJ010750.
HPBDE33	1885	897372	1 - 2430	15 - 2444	AU121983, AU142011, AU140553, BF310789, BE298155, AA780275, BF308182, BF305747, BF589646, AA524472, BE814909, AI796214, AI800089, AI620874, AW119178, BF445851, AW292287, AU147700, AI493093, AI521627, BE836137, BF055031, AI376017, AA759333, AW271577, AA644380, AW139649, AA649884, AA448215, AW206907, AA912175, BF995517, BF995586, AA478455, AI493371, AW296774, AA514321, BF995565, AA995890, AV752143, Z44658, AI269124, AV752672, AI826250, AI394047, AI380014, AI800874, BF063946, AI571955, AA448357, AA865884, H95104, AA365259, BF829930, AI640852, BF965350, AV752590, Z40511, AI903543, AW840999, BF758054, BF812767, BE927556, BF887696, BE836149, AI910449, AW841040, AK022311, AL080121, and AJ010750.
HPBDF31	1886	581082	1 - 881	15 - 895	BG104950, BF979942, N37009, BG104748, AW953959, BE548114, AW959989, AW204140, AI671854, AA524096, AA421079, AU152697, BE466703, BG122210, AA573277, AU151933, AI087887, AU151938, BG111085, AA708531, AI683835, AA995584, AI654003, AW511505, AI670960, BE221793, N70073, BE965042, AI918758, N33230, AW373253, AW373246, AA420999,

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HPCAG17	1887	757836	1 - 1306	15 - 1320	AI754653, AA916430, BF055850, AI890324, AW084445, AI755214, AA847499, AW068596, AI754567, BE062159, AI754105, AA284247, AA524616, BF526964, AW851816, AW500684, BF725844, AA714110, AI049709, AW026305, AI421950, BF857849, AI419337, AW237905, BE000614, AI912401, AI537995, AI130709, AI361090, AW778780, AI859438, AI536858, AV759632, AA515723, BE618336, AA456924, AI814682, AL031727, Z94721, AC007371, AC005399, AL031230, AF196779, AJ009611, AC004089, AC005015, AC009516, D88270, AC007664, AP001693, AL109797, AL132713, AC006026, AL109804, AC008569, AC019171, AD000092, AC004975, AL139396, AC008392, AC002314, AC005081, AC010643, AC007546, AC004448, AF129756, AC010618, AF038458, AC004156, AC006211, AL121886, AP000513, AC011465, AC002369, AC004025, AP000104, L44140, AL049776, AC005874, AF134471, AC011450, AC006121, AC004383, AC002350, AC007878, AC005568, AC018751, AC024952, AC008745, AF165926, AC005088, AL035695, AL161936, AC005089, AC004922, AL031311, AC020916, AL132775, AF030453, AP001725, AP000032, AL136172, AL031283, AC005324, AL034423, AC010422, AC018641, U07562, AL365445, AL390212, AL022342, AC005520, AC068799, AL132639, AC005529, AC006285, AL135839, AC007957, Z82206, AC004491, AC008403, AL035659, AC011479, AC011895, AC006236, AC006344, Z94801, AC004534, AC006538, AP001631, M63796, AC020626, AP001714, AB023048, AC004826, AC005231, AL109921, AC000353, AC004019, AP001710, AC006483, AC004771, AL139099, AL117381, AP000510, AC006277, Z97985, AC000052, AC005261, AC005300, AC006064, AC008616, AL136365,

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HPCAG17	1888	863943	1 - 1213	15 - 1227	AI890324, BE252421, AV756491, AL042753, AV760391, AA524229, AA760655, AW068596, AI613389, AW084445, AV760389, AW237905, BF902572, BE062159, AA916430, AV762633, AV759518, AA584862, AV706945, AV760560, AV760466, BF342223, AW026305, AI421950, AI419337, AI251034, BF725761, AW851816, AA524616, BF337291, AW855643, AI358333, BE139139, AU159329, AI300054, AV759149, BE155951, AW303098, AI284092, AI962030, AW969743, BE645220, AI291439, BE876592, AI537995, AI130709, AI362442, AI250552, AI251203, AI361090, AA411849, AI251284, AI814682, BE138387, AA502991, AC004824, AP000547, AC005013, AL356376, AL109984, AL023807, AC005399, AC002472, AC004491, AL031848, AL450226, AC024561, AC015971, AL137039, U89335,

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HPCAM02	1889	877661	1 - 1162	15 - 1176	BF129846, AL109956, AL109865, AC027690, AC027690, AL109956, and AL109956.
HPDDQ17	1890	598716	1 - 517	15 - 531	BF512500, BE503505, F02590, R42956, and AC022175.
HPDDQ28	1891	566793	1 - 1207	15 - 1221	AW338704, AI445773, AU140676, AI281848, BE006062, AI904077, BG251131, BE548141, AW601085, BE005106, BE006082, BE818595, BF757340, AI282993, AW390169, AI932839, BE814102, BG122596, BF568108, AW848256, BE531168, AW844364, BE818852, BE818807, AW857434, BE818859, AA570351, BE818871, BE292896, BE292911, BG121417, BG059107, W79649, AI821079, AI978795, AC007688, AF095448, AK001761, AF086391, AL133382, AC006361, Z83819, AC017100, AC005476, AC002070, AL035404, AL050335, AC004383, AL021393, AF135116, AC011529, AP001695, AL445465, AC008569, AP001715, AC007002, Z98304, AC024168, AC004520, AC008804, AC008102, AC005067, AC004587, AP000283, AC007688, AC007688, AC007215, AC007215, AC007215, AC023790, and AC023790.
HPDDT14	1892	580867	1 - 1279	15 - 1293	AI628808, AV710962, BG165530, BG026275, BE786109, BF969916, AI650268, AA126692, AW182458, AI873533, BE503485, BF965874, AI571897, AI628694, AV719120, AI122986, AV720684, AI583222, AI445609, BG168913, AV710859, AA588549, AI445064, BE549800, AA885621, AI801155, AA604737, AI926563, AI799358, AI953966, AU143826, AA843100, AV748341, AI634606, AI352088, AW611682, AW452094, BE968676, AV718729, AA918809, AA632666, BF217803, AA126584, N36882, AA913631, AI367561, BF132962, BF367428, AA130041, AU158295, AI927981, AA130060, AI926559, AV755952, AA913170, BG166282, AI766164, AW341861, BE169243, BF367404, R68874, AA128128, R70909, AW023494, AA169523, AU123956, R69272, BF198025, AA169354, AI867839, R68777, AI935728, AV749696, BF240989, AA632678, AV695139, AW969647, BF130107, BF215039, AV683025, R69158, AA501357, AA172193, BG027093, AA315217, AA345032, AA125883, BF677237, BF854008, R49162, AA502695, H56929, AA366820, BF238456, AW023912, BF438787, AA385096, R39631, AI699211, R39647, BF793664, AA669840, AI810066, AI648558, AL046205, R25397, BF940837, BF917533, N53374, AI284640, AI610159, BE834614, BF094375, AA649642, AI281881, AW886165, AW886169, AI358343, AW873225, AL046409,

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HPEAA65	1893	599378	1 - 894	15 - 908	N69586, AC010827, AC010827, and AC010827.
HPEAG24	1894	637097	1 - 532	15 - 546	AA779434, BF732636, BE252813, AI379402, AI417155, BE841057, BG029564, BF131835, BF541157, AA074093, AI708722, AI499262, BG030102, AA534764, AI862359, BF212198, AA533468, BE841090, AI224376, AW009616, AA460651, AW085039, BE543270, AA687934, AA662578, AW801956, BE883808, H00743, AA694530, BF541640, AW801797, AA282821, BE788625, R87490, AI688264, BE880496, N46476, AA285043, BE962586, AA345041, BE874166, AA847497, AW369064, AA847018, N85887, R13686, BE162507, BF981416, AV743905, AI133612, AA158258, BG108540, N41927, AW801972, BG113557, BF035690, C00908, AW887942, BG164385, N84388, BE383466, AI298604, AI064843, BE895678, AL356379, and AL157360.
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HPEBF91	1896	638144	1 - 294	15 - 308	BF940664, AB042297, AC010815, and AC010815.
HPEBI09	1897	605010	1 - 222	15 - 236	
HPFCJ75	1898	774564	1 - 2010	15 - 2024	BG150001, AI693369, AW961348, AI458003, AI911750, BE550821, AW664862, AI689747, BE671673, AW665585, BE348717, BE046142, BE550955, AI288681, AW450691, AI193122, N94863, AI123738, AI803598, BE463566, AI298919, AI184636, AI863736, AI027464, AI122838, AI651440, AI004698, AI269294, AA719885, AA854283, H28090, AI018282, BE674635, BF478013, AI697900, BE328797, BE328343, AI307699, AV693318, H06649, AI702140, AI433908, AA315271, BF082051, H26085, AA125921, AI203784, AI143503, AA972147, Z20075, BF377928, BF243436, AP001696, AP001596, A74409, AP001596, AC022052, and AC011860.
HPFCP75	1899	581083	1 - 1331	15 - 1345	AA601240, AA630097, AW168900, BF352934, AW819125, AI306232,

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HPFDI47	1902	638164	1 - 472	15 - 486	AC026011, and AC026011.
HPIAF35	1903	747704	1 - 2387	15 - 2401	
HPIAK27	1904	852658	1 - 2956	15 - 2970	AL536134, AV709915, AL134782, BF793638, BF980504, BE786045, AA398955, AL042524, BE384154, BF980426, BG029660, BE884729, AL536133, BF206170, AV694882, AI800818, AV684125, AV686388, AA631232, BE082547, AA151542, AV709231, AV697061, BF027614, BE961044, BF431354, AW272673, AA902459, BF699135, AI954018, AW958126, AI127846, BE622998, AA399675, AI493449, AI953333, N51003, BE179782, AI634905, BE966880, AA742982, AW008418, AW088548, AW591641, AI801677, AA742670, AI016613, AI762807, BF029372, AA594446, AA992197, AI206233, AI769595, AW206574, AI445633, AI191373, BF831968, AW402861, AA506700, AI082509, AV648269, AI222945, AA127488, AL048101, AI991428, AA779343, AA400184, BE670254, AI581406, W17304, BG011355, AA515405,

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HPIAL55	1905	847429	1 - 2170	15 - 2184	BE742808, BF663297, BE260854, BE883912, BF037401, BE882975, BG254584, BE465466, BF330678, AI805055, AW518152, BF525725, BE302909, AA524690, BE870176, AI685113, AI056075, BF003128, AW009442, AA995071, AI763429, AI522323, AW778969, AI916446, W63778, AI858102, AI393294, AI970808, AI128302, AW084491, BF222965, AW205268, AI928159, AI347937, AA442462, AI491774, AI356079, AI075142, AA449622, AA262393, AI685842, AA134531, N68412, AI221021, BF736731, N70519, R73544, AA280708, AI278882, AA134532, AA837139, AI383507, AA676561, T86721, AA057163, AA618578, W05418, AI972938, AA401288, AI688282, BE080707, AW517770, N67686, AA436653, T90389, AA504397, AA243607, R69278, AW968855, AA056954, BE909613, R69559, T86756, R22148, AI457155, F34395, BE699480, R72912, R69164, W94177, AA382721, T86579, AW843829, BE302901, AA476358, AA491105, AA476310, AI825431, AA741395, AW901271, BE932282, W03495, AA490922, AW968850, AI572014, R22147, N84252, AA513147, AA917379, N91207, BE831871, AI919315, BF751693, AA382668, AI473437, T83137, AI828918, AC068946, and AC068946.
HPIAT18	1906	877663	1 - 3838	15 - 3852	AW895106, AI632669, AI671823, AA613624, AV737323, F16848, AI348780, AI187148, AI754257, AV763026, AV763058, AI355246, AW089950, AW805539, AL045476, AV762430, AA278496, AU146271, AA493808, AI066646, AA664126, AA838091, BF681619, AW148821, AI702049, AA515728, AI887235, AW962006, AA812684, AA805848, AW833901, AA169245, AW576490, AV647070, BG059139, AI370475, AW576191, AW265468, AA515048, AA584655, AL039309,

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HPIAZ52	1907	801924	1 - 2590	15 - 2604	AL043009, AI811687, AA565733, AV762783, AA577906, AW021583, AL045053, AV763540, AL037683, BG249643, AW965008, AI284640, AI192631, AF330238, AI963720, AI431303, BF677892, AA720702, AV762098, AV760777, AV728425, AA601371, AW131249, AI216054, AV725423, AW193265, AW276435, AV710066, BE544795, AI744995, AI754658, AL138455, AI613280, AI267818, BF816093, AW502975, AI270117, AA491814, AV762395, AV762571, AA836811, AV733830, AI350211, AV760937, BG178002, BF337291, F36273, AI076616, AW004911, AV763354, AW500125, AU147104, AI085719, AW974109, BF806176, AP001712, AP001688, AC005046, AC005874, AF134471, AF003626, AP001670, AC004945, AL035420, AL022316, AL132855, AL109925, AC020663, AL035089, AP001705, AL163203, AL163279, AL023575, AL133387, AC004263, AC016568, AP001694, AP001729, AC026188, AP001728, AC023134, AF111167, AL008719, AL096701, AL137061, AC004253, AP001717, AC009298, AC004655, AC007114, AF243527, AC009154, AP002533, AL024498, AC007358, AC005098, AC002347, AL133480, AC002365, AF196970, AC004963, AL121578, AL121753, AC005486, AC008085, AL354696, AC007221, AC004887, AC002546, AP000031, AC025593, AC027319, AF207550, U91322, AP000155, AL117377, AC009477, AC010422, Z84487, AC004584, AF015262, AL033525, AC004491, AP001732, AP000501, AL049759, AC011490, AC007308, AC005682, AL034372, AP000088, AC006449, AL121655, AJ229043, AL137039, AP000228, U91326, AC005988, AP000124, AP000044, AP000112, AL133264, AP001727, AL034451, AL049712, AL163209, AL445483, AL031311, AC006111, AC004166, AC003109, AL353807, AC005052, AC005231, AL034405, Z93017, AL450226, AE000658, AP000140, AL158830, AL121653, AC016397, U91328, AL162430,

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HPIBA07	1908	886191	1 - 3019	15 - 3033	AV700605, AV699663, BF691851, D44628, AV692694, AV688714, AV724086, AV699327, BF698306, AW961781, BE674691, AW965347, AL118939, BF211482, BF666434, AV683132, AV699969, AV687132, AV688196, AV689315, BE972464, AV688198, AW182484, AV687097, BF381761, BF196741, BE972260, AW268471, AI767708, N31790, BE972713, AW630050, BE221857, AI480153, AI250807, AW514567, AI802951, BF223472, AI634170, AW152677, AA643363, AA176141, BF107062, AW071144, AI798210, AA676618, AI554938, AW022275, AA482018, AV693791, AI056935, AI431302, AA128954, AW613817, AA176240, BF997281, AI654205, W88857, AI690513, W88538, AA227993, AA913070, AA128953, AV685261, AA281597, AV685241, M78982, AA227819, H16853, AA347865, AV698469, AA281606, AV697935, AV684466, BF820961, AV696293, AV685243, AV683332,

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HPIBA24	1909	840379	1 - 1989	15 - 2003	BE904252, AA310637, AA375704, AW753021, AW852237, AJ009611, AC006130, AC008543, AB021644, AC011559, AC011451, AC010422, AB033024, AC006130, and AJ009611.
HPIBI40	1910	588944	1 - 1403	15 - 1417	AL528376, BF339477, AW170221, AW851090, AW575031, BG181111, AU152135, AW235646, AA599145, AI025335, AA076428, AW057979, AI937662, AI290602, AI680594, AI810264, BF475791, AA416982, AA252056, R38913, Z41148, BF034184, BE168448, AA251899, R01885, T90448, C21581, AA812446, T82954, AW851089, AV703343, AI684285, R01884, BE958362, BE937983, AW401837, AU132193, F08074, T80490, U54996, AF003951, AC036188, AP002436, AP002436, AP002436, AC068190, AC068190, and AC068190.
HPIBT19	1911	843567	1 - 1132	15 - 1146	AC015765, and AC015765.
HPJAA82	1912	835506	1 - 1451	15 - 1465	
HPJAB75	1913	841653	1 - 1803	15 - 1817	AL523803, BF796239, AL527697, AV727699, AA577763, AV705419, AA400644, BE083046, AW843452, AA740152, BE049543, AL037129, BE264462, AI760380, AA160713, AI814562, BG025100, AA633422, AW880942, BF207181, BE083045, AW880943, BE047103, AI829095, AW248582, AI830606, BE219723, BG057664, BG025250, BF939721, AW410028, BF340632, AW273309, AW901291, BE676520, AI951746, AI479090, AA715294, AI564707, AI762794, AI079211, AA426103, AW880944, AI831826, AA069839, AI446523, AI436417, AL041488, AI031714, AI580739, AI927726, BE515186, AI803385, AA609811, AA721567, AI741024, AI625558, AI627469, AI499665, AI979218, AI718353, BF448522, AI356504, AI568377, AI805112, BF435554, AA808909, AI371162, AW131446, AW020139, BE168258, AI559675, BF830473, AI608666, AA461161, BE562112, AW504640, AW966604, AW562332, AA393126, AW117835, AU147446,

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HPJAN76	1914	826185	1 - 1939	15 - 1953	AI936826, BE385990, BE271770, AW149665, AW590950, AI990500, BF432379, BF126050, BF439382, BE746601, BE395797, BF125134, AI884686, BE395581, BE736301, AI742092, BE858216, BF345141, AW150789, BF939693, BE395206, BF594242, BE392412, AI859538, BE350014, BE378674, AI018769, AW338938, BF726459, AI336858, AW954549, AW075598, AW148557, AV747689, AI423162, AI363261, AI150931, BE336607, AI459805, BF347279, AI765236, AI391683, AW191974, AI202043, BE730800, BE731003, AA173383, AA626797, AV725028, AW087372, AW075549, AI937602, AA084249, AA419229, AI566797, AA613995, AA419214, H17965, BF727329, AI499630, AI272281, R11723, AA084248, BF054837, BF054680, AI263480, AA075710, AA075743, BG057775, AI869176, AW128849, AA834860, AA970361, AA780222, AA574173, BF935708, R17696, H06756, AA775244, AA827444, AI969011, AA706146, AA665640, AA349894, AW771806, BE386060, R14544, BF726644, AA173739, AI480207, AA496806, H06707, BF508715, AA082074, AW768971, R20352, R43737, H17189, AV727120, R41205, BF219218, BF125664, BF125425, AA776783, AI141302, AI421975, AA582576, AI582720, AI767459, AV717094, AI140655, AI054234, BE041936, AI299246, AI138793, AW014802, BE899287, BF477409, BF432690, AA349893, AI817194, AA102212, BE827461, AA620332, BE858655, AA960903, AA994321, AI266676, AB041649, and AF034633.
HPJAN76	1915	854893	1 - 1942	15 - 1956	AI936826, BE385990, BE271770, AW149665, AW590950, AI990500, BF432379, BF126050, BF439382, BE746601, BE395797, BF125134, AI884686, BE395581, BE736301, AI742092, BE858216, BF345141, AW150789, BF939693, BE395206, BF594242, BE392412, AI859538, BE350014, AI018769, BE378674, AW338938, BF726459, AI336858, AW954549, AW075598, AW148557, AV747689, AI423162, AI363261, AI150931, BE336607,

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HPJAU94	1916	826719	1 - 4147	15 - 4161	BE797641, BF111335, AA553442, AU120741, AU120778, BE899133, AI133602, AV750915, AW936422, BF677647, AA570376, BF982391, BF793477, AI686420, AA446138, T03280, BF733347, AV701925, AI132952, AA864429, BF126263, AV749911, BE250577, AI564481, AI791133, AW818168, AA577726, AA714539, BF951636, AU148272, BE160554, AA604116, AA258356, AU146752, AV706319, AA281350, AI084217, AU139161, AI795961, AA663524, AW818146, AA316763, AA280232, AU154351, AA715198, AW176108, AA668376, R86179, N23850, AA281143, AW845697, AW818166, AA613166, AA584519, C75547, AA679355, AA780636, AA577842, AA780853, AW895721, AA464942, AA587949, AW818170, AA669373, C75558, BE894100, AL043065, BF217767, AW087334, AW023095, AW864677, AW265555, AA481772, AA680217, AL044308, BG009414, BF811794, C75519, AI804081, AU147985, AA169223, BF992082, C75505, AW864686, AA179173, AA587531, C75473, AA669383, AA136900, AA489776, AW593396, C75631, BF954674, AA148849, N41805, AL119962, AA910874, AA213637, AI444588, AA586652, AI400405, AW939910, AA493199, AW845701, AA169348, AA084198, AA161346, T63143, AA171526, BE783575, AA258511, AA167533, AA593439, H24131, AA457552, AA669164, BF878613, BF878615, AA133981, AA218845, AA481764, T85550, AA485972, AI401729, AI804210, T70997, AW473201, AV730261,

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HPJAW78	1917	812766	1 - 1197	15 - 1211	AV730796, AA570230, BE179550, AI282531, BE062121, AA683238, AW813740, BE271287, AA744018, BE244533, AA757775, BF083210, AV760190, AA715805, AI065038, AV724586, AA493621, U91325, AC009134, AL354773, AP001691, AC009245, AL049176, AF053356, AC010180, AL162742, AC003100, AC008822, AC005482, Z93023, AF196972, AC009079, AC011093, AL133163, AL080314, AC012309, Z97055, AC006511, AC002070, AL035494, AC009228, AC011442, AC008753, AC005765, AC003964, AC009179, AC002558, AC009600, U52111, AL353804, AL020997, AC007869, AL356414, AC005220, AP001685, AP000345, AF055066, AP001696, AF128525, AL008723, AP001667, U91325, U91325, AC012628, and AC012628.
HPJBS16	1918	608307	1 - 1689	15 - 1703	AW238655, AW238712, AI310670, AI114557, AL041375, AW151541, AW962006, AA601674, BE273825, AI310787, AI904840, AA410788, AA579398, AW514844, AI349130, AV707794, AU147162, AA526542, AV732057, AW979239, AI733856, BE076514, AI473671, BG110480, AV706891, AA420801, AV760508, BE138594, AU157209, AW974363, BE063437, AA019973, BE140949, AV761486, BE245594, AV762541, AV730440, AA013168, AA420723, AI355246, BF530611, AW177869, AV760560, AU147226, AU144608, BE076513, AI797998, AW023111, AA814503, AA669238, AW410409, AI923052, AW890425, AV763026, AV763058, AI962030, AW970987, BF804385, AW976008, AI791659, AI755202, AI075753, BE141085, AL035977, AI066646, AI452836, AI871966, AA449997, BF525663, AI792464, AW966064, AU117145, AW237905, BF589824, AW963397, AA502991, AV734859, AW263749, AW327852,

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HPJBU04	1919	798101	1 - 3107	15 - 3121	AA668443, BE783394, AA601278, AV762975, AL079869, BG058664, AI815583, AI816537, AW172908, AU148047, BE222564, BE207261, AU158859, AV731938, BG028665, AA577719, BG163541, BF527620, AU130725, AL527073, AL043095, AV734401, BG032943, AW957502, BE888245, AW953071, AA613257, BE140949, AA019793, AW974363, AW177869, AA454870, AI797998, BE501670, BE740358, AA613164, AW963463, AI889995, AL043745, AW833047, AW962006, BF919090, BF736198, AW275432, AL134216, BE062545, BE140955, AI521525, AV714931, BF725178, AA610381, AV732057, AL041375, BG222450, AW813106, AV764444, AI049845, AW850149, AA493808, AI355246, AW023111, AI114657, BE063437, AW575000, AW961605, AA846923, AL041706, AU117145, AI473671, AV695953, AI053673, H59651, AI926102, AI973173, BF854170, AV730440, AU144608, AI800426, AW963117, AI132963, BE677244, BE138520, AI914748, AI816058, BE062478, AI280535, AV754716, AI921706, AA809125, AI452836, AI254267, AW089950, AL036896, AW243808, BF877890, AL044701, AA487569, AW021917, BE080768, BE281645, AI620992, BE077105, AI590442, AV763892, BE062476, AA706495, AW516255, AA633892, AI612142, BF805088, AW408767, AW975679, AI049643, AI821044, AI904840, AI653783, AW151247, AI620354, AW238712, AU147922, AI281622, AA814503, AU159566, AI075753, AW020150, AI828721, BF846619, N67313, BF930145, AV759632, AW023975, AA535494, AA323343, AW975169, AC025264, U78027, AL035422, AC005488, AC020754, AC020552, AC007685,

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HPJCP75	1921	886192	1 - 2189	15 - 2203	AL207476, AV710957, AA583390, AA226173, AA226172, Z98751, AL034549, AL136223, AL109797, AC011445, AL136131, AC020906, AL033529, AC003982, AC011742, AF067844, AC002300, AC005632, AC004383, AL109758, AL118520, AL138878, AC002126, AC004841, AC004089, AC002312, AC003950, AL133448, AL022323, AC018738, AC005231, AC003043, AC006330, AL365505, AC005015, AC004890, AC016395, AL133245, AC004965, AJ277546, AL139353, AC005089, AC008403, AC004966, AC002991, AL121586, AL022165, AL121897, AC003665, AC005409, AC005529, AC008040, AL133387, AC008474, AC006449, AC004953, AC009314, AL138752, AF196779, AC006329, AL050335, AL031680, AC005666, AC010605, AC004019, AC008569, AC011489, AC010618, AE000658, AC004824, AC023510, AL031681, AC003101, AL034423, AC010271, AC005516, AL033527, AC020908, AC004448, AC008738, AL049776, AC011450, Z97832, AC005755, AC004223, AC011811, U85195, AC008372, AL139390, AL022476, AC011495, AL080243, AC005914, AL138756, AC004858, AC002073, AC020913, AF254822, AC004847, AC020917, AL034417, AL031311, AC005527, AC005004, AC004477, AL356801, AL035400, AC009086, AL162414, AC021016, AP001712, AC007160, AC007226, AC002395, AC004686, U80017, AL133153, AC004217, AC010458, AC010205, AC010489, AC009194, AC004921, AC027319, AF031078, AC003070, AC010422, AC008616, AC013429, AC004685, AC023490, AC006277, AC007676, AC018751, AC002357, AF134726, AF030876, AL034405, AC018633, AC005052, AC004526, AL096764, AL031672, AC006480, AL050307, AC002425, AL009183, AL096840, AC008745, AC005899, AC010412, AF243527, AC005332, AL135978, AC006275,

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HPMAI31	1925	559369	1 - 256	15 - 270	AW957083, BE746125, AI991092, AA693763, BE670374, AI689894, AA989208, AA057186, BE220003, AI802724, AI802743, T35140, T35135, AA369394, AA976627, AA503237, H68885, T35134, AI200143, N29541, AI222900, AI492135, AI306416, BE219424, AI281966, AA968817, AI298392, AI253677, AI669214, AA976558, BE467215, AA502313, R24092, AI991120, AW084562, AA113149, AA056958, AA577052, BF026341, BE797385, D20894, BE218673, BE736269, AA876081, BF026678, AI611274, AF019953, AF035444, AC005950, AC001228, AF001294, E12648, AC001228, AC005950, and AC013791.
HPMBI91	1926	638147	1 - 1031	15 - 1045	W58469, W58344, AW368394, AI184653, AI381477, and BG109442.
HPMBT05	1927	658715	1 - 824	15 - 838	BF511757, AI334099, AW984470, AI927861, AI872415, R91915, BF988073, AI745497, AA581433, AW242735, AI761656, AU145663, BE046414, AW073349, H64113, AA773359, AI735074, H90881, BF436023, BG250338, AW190486, AI627862, AW089864, AI452403, AA244041, AI696653, AA631430, AW589529, AI184319, BG259455, AI473716, AW130042, AI733321, AI375534, AI733452, AA553475, AI524521, AW673053, AA216393, AU157231, AA857009, AW235478, AI791660, AI433574, AA629907, AW236519, AA100312, AW900454, W95669, AA577888, BF878846, AI620013, N24849, AA112911, AI536702, AA244012, BF888049, R80440, AI560839, AA953572, BF875698, AL119355, BG260601, W27498, AC004103, AL136981, AL139008, AL050401, AC005881, AP001759, AF029308, AP001677, AL049792, AC007276, AL160211, AL133239, AP001472, Z93015, AL031655, AF274857, AC018492, AC011504, AL355492, AC004025, AC004106, AK024841, AC006058, AL161938, AC004977, AC008127, AC005703, AC024158, AC005015, AC007611, AC004522, AC022509, AC002527, AC009289, AL109800, AC003081, AC004051, Z83826,

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HPMBW95	1928	639092	1 - 1353	15 - 1367	AW958954, AA758861, AW135567, AI613497, AI935969, AA613010, AA972596, AI261298, AL044181, AI697364, N66954, BF735156, BF735061, AI758195, R19233, AI187866, AI473098, BF948434, AI675571, AI799983, AI471298, AI345633, AW614571, R44496, BF735140, AI262082, AI187869, AI768407, AA248750, AW474245, AA096003, R39170, AA384807, F10355, AA249424, AC004601, AR028772, AC004601, AC004601, AC004601, AC026639, AC026639, and AC026639.
HPMCW10	1929	702013	1 - 901	15 - 915	AI827230, AA152023, N48299, AI346417,

					W84430, W72005, AI304351, BE670780, AI334148, BF528291, BF003019, AW338914, AI127763, AI922951, AW138291, AI077680, AA152097, AI191873, AI138802, AI568416, AA358674, AI271659, AI589070, AW953624, AI088745, BF475830, AA622339, AA724257, AI144150, AW418696, AW151953, BF222887, AI375884, AI401749, AI880453, AI419063, AW874251, AI619746, AI225114, AI801268, AI554474, AA302424, AI093946, AI803839, AI699306, BG150383, AI611143, H39784, AI123010, AW169313, AA496797, AI991589, AI081626, H44939, H10757, AI361531, AA513457, BF941345, AW514684, AW877265, AA278226, AA278720, T07824, BE090279, AA127464, AW518810, R42918, AI499891, AW235771, R30801, BF436872, AA361091, BE041749, AA370719, AI686346, R10703, R27637, AI681496, AA651675, AA297418, R57461, AA228006, AA233950, BF924768, AV721378, W32704, BF969694, C01061, AA358448, AW370992, W76603, BE858910, BF970000, AI801263, AW955366, AL110199, AC015677, AC015677, AC015677, AC018746, AC018746, AP001283, AP001283, and AP001283.
HPMCZ18	1930	753435	1 - 2495	15 - 2509	AV697370, AU122652, BE745305, AU137178, AV690703, BG122185, BG120359, BE542523, BG122195, BE272158, W58710, AV698204, BF431866, BE699164, BF507428, AA486436, AU148227, AI768137, AI674065, AW274505, AU153685, AA031343, AW070470, AU148182, AA131923, AI379851, AV690367, AI206831, AA147751, AA147517, BE677208, AW466969, AU156731, AA970929, AW663362, BF945020, T79243, T84523, AW173219, AI285317, AI285318, H30605, BF998624, AI285319, T86951, AI688061, AI273248, AI924432, BF111406, H44741, AI244682, AW970717, AA808466, AV685274, BF919504, AI188887, BE772052, AV686522, H02976, AV688440, AA527280, H27003, AV694890, BF994149, AV694889, AV697074, R24012, AV696201, AW057933, R61647, BF351473, AW408541, AI986086, BF989306, R30911, BF989356, R62851, Z46172, BE771019, BF996031, BF085360, AI807037, AW299838, H05974, AW375658, R60980, AW375673, AW375662, AA131922, AW352089, AW352090, AW370149, BF992529, AI761941, R27895, AW387718, AW375675, BF954929, AW375654, AW375668, R27916, AW375665, F05052, AA916353, R24664, AW370145, BF508119, AW024215, R27803, R30865, W32621, BE090800, R20881, BF439587, AU122709, AI805167, BF352182, BF352266, AI766415, AI925940, BG010235, BE176703, AI313418, R25166, AW370164, T52090, AA744567,

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HPMDA80	1931	651354	1 - 907	15 - 921	BE872631, AW245631, AW953813, BE273688, AA195139, AI056337, BE795166, AI494538, BE676067, BE858379, R37662, AW996647, BE264242, AA946712, AA563941, BF195186, AA195288, BE336908, H25825, AA826333, T03732, AA480685, F26367, BF802886, BE939208, AI833314, H23231, AI566930, AA962629, AI659737, H63283, AW245889, BE351010, AA364405, AI886960, AV683897, AW887436, AA587546, BF925402, BG056976, T23741, BE814372, AA627562, AI871873, AI589407, AW768872, N63583, BE348954, N56991, AW841218, AA196654, AW934839, AI633213, BF032010, AI867532, AI659036, AI676007, N47375, AI978802, BE939296, N94891, BF002442, F18188, AA587570, AW663296, BF037600, BF734299, AI858496, AW873657, AA196535, AI811874, AA465211, BE938346, Z41159, AA969445, AA627390, BE928622, BF514526, BF760372, AW058325, BE075879, Z63603, AC048338, and AC048338.
HPMDD27	1932	830748	1 - 1709	15 - 1723	AU117518, AL530022, AU117962, BE747075, AU134825, BF683999, BE746436, BF000235, AU126073, AL523966, AI621215, BG116482, AU139709, BG114753, BE612958, AU137383, BE742555, BF034198, BE697596, AU130396, AW957937, BE545203, AW813051, BE697644, AL536336, AV691847, BE697638, AI950251, AI564193, BE505024, AA308190, AW271945, BF375062, BF907621, BF907553, AI561182, BF907535, BE697633, BE707571, AI560075, AU150350, BF907622, BE697643, BF381320, AI581089, AU151943, AL135260, AW338106, AA505767, AA603342, BG251258, BE697786, BF907545, BE539679, AA888065, BF907552, AI625041, AI909320, BE178682, BF335705, BF907547, BG259991, BF907537, AI357213, AU151554, BF381312, BF096000, AW793648, BE178045, BF381062, BF753598, BE177876, BF888089, BF096003, BF827921, BE931932, BE746411, BE931945, AI911938, BF888124, AA962704, BE698779, H29506, BF095205, BF155461, BE769239, AA353956, BF850138, BE154200, AW630831, AI928495, BE933937, BF827920, AV689379, AV692744, AA211037, AA581961, BE769243, AW957741, AV693249, BF570808, BE769228, AV694821, AI750915, BF094204, AV696813, BF381330, AA516054, AI750267, BE932470, AA249644, AA211203, BE769236, BE004505, BF381305, BE173112, BF746406, BE172276,

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HPMDF45	1933	638148	1 - 2296	15 - 2310	N55493, N76980, AA833875, AA833896, AA773463, AW897556, BF805088, AA425924, AU120416, AW272815, AA828637, BF854308, AV764383, AA570740, AI669421, AW004884, AA683069, AU147162, BF725844, BG222564, BG222326, AI457313, AA410788, AW338179, AL524675, AW864122, BE880415, BE315483, AI249688, AI697235, AI792092, AI821056, AI821805, BE813434, AA533054, AI358712, AA862227, AL040374, AA019973, AW966643, AW945725, AA484892, AW069227, AW275432, AI628859, AA584765, BG250286, AV718585, AV700958, AW847344, AA579179, AA832145, AI634187, AI927275, AA535216, AI791659, T52772, AA626040, AI141130, AW575729, AI187148, AW301736, BE151208, AI038304, AA985199, BF941382, AA215470, AA441810, AA315361, AA228778, AV728856, AI609972, AW500684, AV699675, AA643784, AI431513, BG059139, AA664126, BF841981, AA102737, AW674631, AI280266, AW469846, AI755214, AI754567, AI366180, AI915081, F11718, BF853273, AI356440, AA013168, AW439703, BF841045, AL120282, BF528591, AI753904, T47138, H29914, AA715983, AA715962, AA568204, AI620992, AI936229, AW008184, AW023111, AW502949, AU144540, BE501670, AW974363, AI754105, AL117379, AF196779, AC022148, AC018758, AC005726, AL133163, AL359846, AC006141, U91326, AC005007, AF067844, AL121825, AC006441, AL133245, AL135744, AC002301, AC004222, AC011554, AF053356, AC002316, AC005409, AL135901, AC024563, AL163210, AC007216, AC011895, AF134726, AP001752, AC011464, AL109804, AL353748, AL122015, Z93244, AC002429, AP001717, AC004846, AP000503, AF109907, AC005239, AL121601, AC005736,

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HPMDP57	1934	567303	1 - 1527	15 - 1541	BG009571, BG009579, AW514795, AA507024, BF590140, H11187, BF901147, BF915608, BF915750, BF349674, AI261522, AI304603, AA121995, AL048969, BF913581, AI871940, AA493245, BE062053, AI919330, AW813589, BF917486, AW979158, BF915494, AI733523, AW085751, BF915758, AA757426, AW021674, AW169183, AV683406, AA573024, AW510403, AV712092, AW514844, AW157128, AW806457, AW162314, AI038029, BE049409, BE140949, AA493546, AA618531, AI640905, AW504667, AA554289, BE328286, BG260565, AW731858, BF790866, AW513105, AA613954, BE154909, AV706458, AI801563, AC005591, AL136418, AC011495, AL355392, AL353804, AC011455, AL139184, AC011480, AC005519, AL132777, AC005736, Z81364, AL118502, AC005696, Z95114, AL162505, AC018751, AC009516, AC010422, AC010458, AL049569, AC004031, AC011477, AC006277, AC004884, AL117382, AL109952, AP000553, Z97054, AL121906, AC005412, AC004883, AC005911, AC006512, AC005527, AL031848, AC005089, AC009470, AC011465, AL049872, AC007404, AC005081, AC010463, AC005231, AC006162, AC021016, AC008569, AC008379, AC010605, AL138743, AC008736, AC005207, AP000503, AC008960, AL022315, AC008044, AC004771, AF134726, AC007956, AF007544, AC004797, AC003663, AC005913, AL109758, AC004973, AL138825, AC007226, AC004938, AC010521, Z83844, AJ277546, AC008543, AC010363, AL049795, AF207550, AC004089, AL162424, AL109935, AC009247, AL034423, AP000252, Z93241, AC002991, AC006511, AL109753, AL109743, AL022326, AF243527, AC005529, AL358777, AC003110, AC008392, Z99716, AC011491, AC006011, AL080243, AC004494, AC011450, AC011479, AC004491, AC020908, AC002036, AC003108, AL008719, AL031587, AL355476, AL139327, AL035659, AC005052, AB023054, AL138752, Z86090, AC004263, AL158040, AL109797, AL035404, AC010412, AP001727, AC005225, AC002367, AC005015, AC004477, AC008687, AC005368, AC005256, AC002563, AP000065, AC006057, AC010271, AC034246, AP001725, AC004033, AF107885, AC008050, AL034420, AF109907, AC005740, AL157372, AC018719, AC006441, AL161936, AL109627, AL136137, AP001631, AL031276, AC020916, AC025588,

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HPMEG72	1935	795709	1 - 2060	15 - 2074	BG036646, AW977740, AW851391, W76410, W70067, AA258828, BE739287, AA292618, AA828307, Z32784, AA164841, BF909679, AW628790, W72392, AA292617, BF831943, BF351263, AA164761, AA827251, BF850535, BE780891, AW747963, AA984452, AA984451, AW833033, AW839235, AV731068, AI376325, AW833146, BG231046, BE157009, BF675045, AW902136, AA370897, BE164507, AA557741, AA211914, AW806937, AW890946, AW854788, BF892848, BF830719, BG223185, BF899193, AW847741, BE144698, BE143314, BG015995, BF808065, AI204938, BF808428, BE144683, BF673799, AA552844, AW937725, AU139654, AW902129, BE788398, AU121070, AW902049, AW833143, AA604538, AW847640, BE142867, BF675777, BE062166, AU120388, BF895221, AW901972, BE974167, AW833204, AL133785, BF892843, BF819939, BF748007, BF995888, AU136567, AU116829, AI445578, BF203734, AU131337, BF895188, BF203688, BE142760, BF758031, BE142971, BE142797, AW806942, AL138238, BE090538, AW836280, BF673669, AW836282, AW813625, AW833187, BF574195, BG005451, BE145669, AW499607, AW902141, BE090631, AL040603, BF373928, BE080988,

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HPMFM70	1936	756931	1 - 2274	15 - 2288	<p>AW843440, BG000108, BG000085, AI904710, AA742766, BE062476, BE178481, AV738383, AW674258, AA812684, BE968744, AI123396, AI086646, AW833047, AW502873, AI133083, AA659608, AI216990, AW970987, AI027056, AV756491, BF983617, AV762454, AA613624, AA706495, AA229935, AA515133, AI654738, AA572983, AW073510, AF017104, AC058791, AC016831, U85195, AE000658, AC006390, AL022334, AL158198, AC005221, AC034242, AP001623, AL049714, AP001746, AC008015, AC006449, AC007540,</p>

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HPMFP48	1937	597457	1 - 1142	15 - 1156	<p>AW964231, AK000693, AL022313, AP000688, AP001724, AL050343, AL031311, AC007739, AL049780, AC002115, AL109952, AP001725, AL033529, AL158830,</p>

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HPMFW01	1938	844865	1 - 2474	15 - 2488	AL530791, AL530792, AL535065, BG170992, BE674953, BE788808, AA604226, BE855814, AA858439, AI522016, AW418929, AI459262, AI949460, BE566846, BF695661, AI920795, AI628581, AI810626, AA213464, BF436958, AI765166, BE266316, BF131526, AA446901, N95619, BE669483, AA165298, AW300022, N48825, AA703596, AA595754, BE218460, AA165297, AI739123, BE044264, AI589262, AI686706, AI72286, AI804402, AW300346, AV649579, BF666992, AI278834, AW169453, W81467, AA679593, AI358082, AA426332, H29503, AI968962, AW602873, AI002939, AV749783, AA074072, W81348, H29504, BE832901, BF342607, AA598694, AI802044, BF126313, AA860722, AI471852, AI299531, AI961851, AW136228, AA707156, AI422999, AA861993, AV692260, AV692283, AV692263, H29787, AI240698, AV698872, BE244952, AV698900, AV691373, AV695584, AV694677, AV687965, AA946852, AV696854, R13303, AV696838, AV690233, AA564851, AI762353, AA426331, BG248951, AI538012, T05291, AV698875, AW293669, BE258595, AV689303, AA348529, AI872899, R40786, T78749, BF511371, BE694349, D12186, AW961934, AW300980, N45617, BF736483, R91823, BG058291, AC004918, AK001704, AJ278150, AL049792, AC010979, AC004918, AC004918, and AC004918.
HPMGM06	1939	590991	1 - 1626	15 - 1640	AV718658, AV654502, F25350, BF742110, AW793471, AK025332, and AC016454.
HPMGW43	1940	830452	1 - 1982	15 - 1996	AL517798, BF570287, BE299493, BF569974, BE727823, BF968828, BE799682, BG248344, AA628421, AW853457, BG180249, BG031468, BG105086, BG163781, BE615028, BE272233, BF308642, BE746310, BE746960, BE273209, BF316001, AV709809, AW853517, AW887486, BF940731, BE272932, BG169687, AW276260, BE395080, AI911739, BE408099, AW368496, BF203678, BE273466, BF025964, BE313812, BE898741, AU151561, AI351087, AI457553, AI417841, BE260173, AI401556, AA630397, AI623387, AA406330, BE383469, BE696019, BG180322, BE696025, AU152997, AA528205, AI688806, AW853619, AL517799, AA843126, AI095728, AI523824, BE927047, BG030312, BG027586, AI288598, AA639768, AW853609, AW007212, AU153750, W00914, AL120403, AW368537, AI950043, BE927043, AA427929, AI369199,

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HPMGY89	1941	822864	1 - 2053	15 - 2067	BE178175, BE177925, AI861822, AW996841, BE178444, AI743209, BE178120, AI762220, AI678966, BF110007, AI971073, BE179439, AI651411, AI684302, AW769138, BF111530, AA972062, AI685904, AI249461, AA783045, H77441, AW082427, N29319, T49530, AI202225, AI676039, T17270, H94356, N57010, BF588491, Z40706, AA599574, AA026884, AU158229, T16789, BE708576, AW955367, AI884512, AI061657, AF118767, U91327, AC001226, AC004638, AC009086, AC009319, AL049872, AC007057, AP001814, AP001814, and AP001814.
HPMKB09	1942	900362	1 - 2212	15 - 2226	AL523557, AL524459, AL520864, AL524458, BE797270, BE738365, BE799999, BE797125, BE795304, BE559810, AL536412, BG029222, BE560497, AL138082, BE560176, BE513095, BE791865, BE745922, BE545163, BE561590, BE746537, BG177219, BE907437, BF305271, BE799866, BE791039, BE559592, BE251828, BE544399, BE277420, BF338518, BE297879, BE890138, BF663830, BF308083, BE796881, BF340321, BE388333, BE747177, BG169861, BF128654, BE350925, AW385462, BF307517,

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HPMSH26	1943	780109	1 - 1744	15 - 1758	BF570468, AI692236, AI590873, BG260919, BE379711, BG109465, AV705560, BG163576, BF346570, BG168165, AW069724, AI679159, AW968030,

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HPMSH96	1944	610023	1 - 1561	15 - 1575	AA629925, BE763791, H72652, BE908078, AA608918, AI281780, BF218469, AA961453, AA722892, AI332739, AA973617, AA603489, AA915987, AW079394, AI869194, AI129007, AA888787, AA015604, BG230596, AI373946, W44698, AA428180, N92769, AI222733, AI581432, AA769628, AI278075, AI571827, AI493527, AI129047, AA889961, AW615555, AA233507, AA782684, AI268565, AI033900, AI536792, AI186796, AI042571, AI277640, AW150107, AI057541, AI985026, AI149357, BE207693, AI285114, AI913908, AI149172, AA025840, AI245598, AA182559, AA649263, W46462, W52279, AI084788, AA946946, AI913765, AW517229, AA234557, AI188308, AA890435, BE855686, N22726, AA834111, N73279, N79846, AA534333, AI149222, AI038434, AI209163, AA603486, AA831193, AW002100, AI536955, AA362236, AA855051, AA298797, AA932244, AA988258, N72890, AA441895, AI685193, W37548, AW262014, AI344404, N74957, AI185969, AA774551, AA302961, W60715, AA643862, AI186717, AW084767, AI185046, AI039858, AA150914, N70319, AI937781, AW029379, AW168601, AA188013, AA242804, AI167863, AA622054, W72069, AI128596, AI813655, N36845, N20877, H67135, AA149103, AI933306, H72667, AA152246, W44949, AA535331, AA890645, R87180, AI050939, H80636, AA303004,

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HPQAJ25	1945	853550	1 - 535	15 - 549	AV709390, AL036485, BG056965, AA780355, AI096763, AW029605, AA037231, N52620, AI560226, AA069437, N53358, AW028880, AI264775, AI858940, AW138433, AI582384, AA569965, AI678797, AA929063, N41010, N93863, AI219156, AA149848, AW517179, AW341952, AI186941, AI139309, AI150692, AA149803, AW778815, AA621741, AI887136, AA480367, AI122849, N51116, R43155, N23609, AI301094, AW950411, AI962919, AU145938, AI342701, AI360750, AI805878, BF448017, AI335713, AI360714, AI358678, AI127867, AL079879, AI969128, H88637, AI682803, AI475028, R62368, R56869, BF436018, AI927440, AI807004, N67604, AI431806, AI873779, BE045706, AI436746, D25622, AI457509, BE552098, AA969967, AI760974, AI498680, BE395341, AI092072, AI922485, BF195730, BE501550, BF115105, AI887907, R41502, BE966826, R26824, AI476678, AI701207, C21338, AI338819, BF115838, AA983931, AA745926, R62367, BE220071, AA599581, BF340377, AW150149, BF436189, AA328457, AA031945, AI095709, AI216130, BF681640, BE379642, AI871905, AI695379, BE885672, AW855497, AI253109, AI767055, AK025048, and AL359554.
HPQAJ27	1946	782957	1 - 1383	15 - 1397	
HPQAN50	1947	788813	1 - 1271	15 - 1285	AW864205, AJ006345, AC002403,

					AC002403, AC002403, and AC002403.
HPQAO80	1948	740261	1 - 971	15 - 985	AL121601, AC002530, AL121601, Z93014, Z93014, AL355476, and AL355476.
HPQAW27	1949	716371	1 - 947	15 - 961	AF191071, AL357506, and AF191071.
HPQBC90	1950	612818	1 - 1003	15 - 1017	AC062021, AC062021, AC011174, and AC011174.
HPQBJ48	1951	637788	1 - 808	15 - 822	AV744657, AV738340, AW366296, AV744012, T48593, AW375405, AV742732, AV742048, AV681505, AV681504, T03269, AW375406, AV742050, AV681526, AW964468, AA585439, AV740249, D51250, AV743048, AV744690, AV701237, T11417, AV702035, AW963289, AV699103, AW949643, AV701472, AV701436, AV701388, AV701297, AA585278, D81111, AV742757, AV742025, AV753956, AV701276, AV701320, C14227, AV701173, AV701283, AV701471, AV701384, AV701449, AV701071, AV701372, AV701088, AV701027, AV701030, AA283312, AV742899, AW966389, AW949645, AW966330, AW956977, D80064, AV701467, D80045, AV742733, AV699153, D59503, AV745415, AV701468, AV699098, AW360811, AW953750, AW949642, AW963961, AV701189, AV701136, AV701254, AV701435, AV699218, AW960162, AW949665, AW949667, AV699144, AW959372, AV699170, AV699269, AW949707, AW955886, AV699229, AV662317, AA585378, AV699136, AV662287, AV699123, AV699224, AV662272, AV699196, AV699125, AV699203, AV699219, AV699131, AW960161, AV699182, AV699246, AV662235, AV662247, AV699200, AV662257, AW955883, AW955403, AW955893, AV699250, AV662248, AV699247, AV699199, AV699137, AV662242, AV699223, AV699147, AW962627, AV662268, AV662225, AV662191, AV701198, D58246, AV701403, AV746179, AV701201, D80258, D58101, AV662218, AI526112, AW176467, AA585325, AV701301, AI535686, AV662288, AV699204, AV699156, AV699197, AV701123, AV701034, AV701132, AV662223, AV701410, AV662149, AW377671, BE815315, AV701223, AW962603, D80014, AV744949, C06015, AV701357, AW965158, AW360844, AA585329, AI557774, AI557751, AV699167, AA514184, AV699119, AV699139, AW951170, AW962629, AV701311, AV743654, AV662319, AW753064, AV740535, AW178893, AA585430, AW964532, AV741888, AA585327, AV739506, AA585389, AA585116, AW752082, AV646970, AV662302, AV699175, AV662289, AW753067,

					AW177440, AV662207, AW951316, AW178906, AW360834, AW753053, AV758536, AV740765, AV740192, AV662196, AV737584, AW753051, AI535959, AV698330, AV692714, AV758213, AV699129, AV701125, AW360817, AV701059, AW952650, AV701149, AA305578, AV739001, AW966043, AV701451, AW960532, AV699669, AV758756, AV745948, AV700313, A94995, AR070327, AX035434, AX020191, AR038669, A30438, AX020190, AR016514, AR091537, AR074545, U46128, AB035274, AR029417, AR062872, A59874, A44281, AF135243, AR031365, A85395, A85476, A43190, AR008429, AB005666, AJ007320, A62298, AX047063, AX047064, A62300, A91750, D26022, AR028672, A91667, A91666, AX034425, A82595, I50133, AR060142, AR017826, AX047062, X82786, AJ131952, X93517, Y17188, AR031358, X55499, AX021518, AR037157, Y17187, AB010386, AX018972, AX000478, AX000480, AX000474, AX000476, AR062871, A70899, A84772, AX023385, A84916, A84776, A84773, A84775, A84774, AR032065, AR074139, A43192, A64136, A68321, AB027145, I50122, AR087528, M60510, AR060137, AR060134, AX003194, AF134119, I50126, I50132, AR008408, A78862, A25909, I50128, X84816, AR018138, D34614, A83076, U79666, Y12724, AR060138, AJ302649, A70872, AR060057, AX028130, A67220, D89785, AJ132110, AX033851, X67155, AX027925, A63261, AR087649, U89315, AR008278, I14842, A70869, AB028859, AR066488, AR066487, AF058696, AR074136, A70867, A45456, Y09669, AR054175, AR060385, A26615, AR052274, AR093385, X68127, D88547, D89083, AB002449, AR008443, AR050680, D86949, AR016691, AR016690, AJ012010, AR068047, AF123263, and A44216.
HPQBJ48	1952	867512	1 - 808	15 - 822	AV744657, AV738340, AW366296, AV744012, T48593, AW375405, AV742732, AV742048, AV681505, AV681504, T03269, AW375406, AV742050, AV681526, AW964468, AA585439, AV740249, D51250, AV743048, AV744690, AV701237, T11417, AV702035, AW963289, AV699103, AW949643, AV701472, AV701436, AV701388, AV701297, AA585278, D81111, AV742757, AV742025, AV753956, AV701276, AV701320, C14227, AV701173, AV701283, AV701471, AV701384, AV701449, AV701071, AV701372, AV701088, AV701027, AV701030, AA283312, AV742899, AW966389, AW949645, AW966330, AW956977, D80064, AV701467, D80045, AV742733, AV699153,

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HPQBL67	1953	559372	1 - 1073	15 - 1087	AL135932, AF064860, AL163280, Z99130, AL031115, AC017086, AL135932, and AC020695.
HPQBT17	1954	826413	1 - 1206	15 - 1220	AC010204, AC010204, AC026110, and AC026110.
HPQCF94	1955	684368	1 - 937	15 - 951	AC010945, and AC010945.
HPQCI62	1956	566799	1 - 1057	15 - 1071	
HPQRS74	1957	655361	1 - 549	15 - 563	AA740623, AI267595, AC003037, AC003037, AC003037, and AC003037.
HPRAD30	1958	805969	1 - 2916	15 - 2930	Z99353, AW962740, Z99352, BF670505, BF438305, AI798995, AW965292, AW024643, AI277780, AI097416, AI292046, AA427481, BF574410, AI023101, BE468246, AI056079, AI037916, AA020941, AI039913, C04342, BF667799, AI342997, BE958580, AA253443, AA807752, AI858871, AI797269, AA809681, AI242690, AI445912, W42638, BF726541, AW474757, AI287838, BE897712, W42430, AA504242, W04947, D57895, D79788, AA430672, BF875789, BE538980, AW166085, D57602, AA369849, AA332083, AI525847, AW993704, AA489211, H01188, AA612905, AI357027, Z28490, H01284, AI989582, N57099, AW993757, AV654262, Z19385, AI872647, AL161997, AL133600, AR036572, and U91328.
HPRCC91	1959	638151	1 - 918	15 - 932	AL528267, AI766307, BF063053, AW020040, AA442438, AI809139, AI625991, AA031833, AI372857, AA954901, AI589381, AI079895, AI767759, AA234665, AI040650, AA577034, AA974342, AA486976, AW196687, AI129779, D57401, AW188808, BF575774, C03052, AV658947, AI499340, AI077459, AA136154, AI890964, BF670706, BG055245, N71986, AV658994, BE677541, BE000941, AA151269, AA479736, AA904766, AI627807, AA468532, AI264397, AA442798, Z25134, Z28958, AA136070, AI028650, BG035457, BF245747, BF692942, Z28576, AI270623, AA151268, AA975394, AW864461,

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HPRCF40	1960	834808	1 - 2890	15 - 2904	AL118822, AU120116, AW949780, AW368195, AU136378, BF672321, AW949772, BF343210, AV647327, AA020767, AA805651, BF343307, BF964981, AA777671, AL040731, AI052753, BF790480, AW043708, AW611834, AI934341, AI692218, AI813384, AI129264, AI623210, AA032025, AA917319, AI659361, AI633530, AV728387, AI761894, AI802143, AW512682, AW804652, AI078548, AI373722, AW368145, BF001516, BF575294, BF343127, AI185142, BF241005, AW675785, BG055127, AI589187, AW501351, AI492965, AI334970, BF109219, AI148094, BF673972, AW629685, AL040732, AW118039, AA911023, AI754312, AI523089, AW118031, AW771479, AA056300, AW002191, AW302578, AA031914, AW673464, AI401253, AI040768, BF449051, AI479544, AW501352, BE547656, BF215788, AA047451, C01333, AI268089, AI076275, AI344749, AI129110, BF701512, AW835591, AV682085, AI433888, AA825450, AI261676, BF696195, AW470003, BE907830, AI984242, N69536, AI245165, AA644402, AA733179, AA020768, BE930149, AI372863, AW385523, BE930157, BF086234, AA724435, BF086229, AI032486, R86224, W00822, AW339691, AA764956, BF840999, AW835672, AI982771, AA773699, BF987882, BF701693, AI274493, R84852, AI343746, BE930144, AI142492, AA112057, AW592904, AI872968, R59102, AA017282, AW835676, AI863708, AV732392, AA830217, BE930179, AI247995, N99687, AA083799, BF086233, AW955352, H86635, BE536679, AI352228, AI695954, AA113340, BF029973, AA773860, AA317438, AW748183, AA112637, R98711, BE958434, R98935, BF343973, H86640, AA047508, R59103, R77563, AI248001, H86386, H66174, AA325403, H72726, R48554, AA903152, H85264, AW835756, BF089704, AI001903,

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HPRCF50	1961	638153	1 - 1945	15 - 1959	BF031135, BE877107, AA346438, AW953046, AA376115, BE542654, AI049630, AI572680, AI962030, AA515351, AI733856, AW082104, BF905075, AA284247, AI431513, BF216280, AI801505, AW631267, AA634837, BF970107, BF030278, AI499954, BF821968, AW502873, BF834843, AA809546, AI299891, AI609972, H77492, AA491767, AA857377, BF744666, AA904211, AI254779, AV647070, AI206841, AI797998, BE142845, BF804385, AI499376, AV697609, AA630845, R44593, BF032064, AW968188, AI619994, BG112362, AV764259, AI914748, AW151247, AI246996, AA837035, AI040051, AI433952, BE328286, BE077105, BF771774, AI926728, AV743869, BF675251, AA128511, AI801563, AW469846, AI859438, F02412, AW270258, BF764092, BG180976, AI049845, BF673854, AA715173, AA715075, AW341978, AA302661, AV762112, AA714011, BF736669, AA807704, AI031759, AW148964, AA226133, R99253, AW338021, AA622801, AA605243, AL041854, AI281818, AI678476, AA661583, AA558404, AW275432, AI653776, AI298787, AI090377, AI189682, AI243789, AI613389, BE043339, AI278089, AA640094, AA659832, AA721645, AW572140, AI187148, AA603413, BE206133, AI249365, AL050173, AP001745, AP001619, AC018758, AL035458, AC002350, AC008014, AL031685, AL021937, AC024247, Z95115, AL050341, AC005632, AC005620, Z95116, AC005071, Z93017, AL391839, AL354948, AC008569, U29895, AL136137, AC006211, AL023880, AC004089, AC005570, AC005361, U85195, AC011895, AC006101, AL133418, AC009086, AC006061, AL499628,

				AC003108, AL138787, AL121655, AC004491, AE000658, AL133353, AC009756, AC006967, AC005015, AC003010, AL158040, AL136300, AL139353, AL096791, AP000212, AP000134, AP000030, AL035587, AL356354, AC005522, AL450226, AL022336, Z86090, AL356575, AL021546, AL136969, AC004824, AP000252, AL137039, U80017, AC005736, AL080314, AC005066, AL391259, AC004000, AL163249, AL138836, AC002365, Z83838, AP000251, AC019171, AC008812, AC020552, AL024498, AL109935, AC011489, AL109797, AC007546, AC005971, AL050328, AC021999, AC006323, AC002301, AC005164, AC007225, AC011738, AC003956, AC010271, AL450224, AC020754, AC074338, AC002400, AL031295, AL049829, AL357374, M26434, AC009123, AC006329, AP001714, AC007011, AL136987, AC005014, AL021707, AC007283, AP001725, AF038458, AC005746, AL137100, AC002544, AC005690, AC004883, AC004510, AL138743, AL121653, AL121658, AC005535, AC005080, AC005332, AC008982, AC007792, AC010358, AC005233, AL109897, AL117334, AC005606, AC005914, AC008068, I34294, AC004967, AC008753, AC011464, AP000314, AC004929, AC009155, Z98750, AC007193, AP001718, AL139099, AC008101, AC024947, AL049569, AL121601, AL034548, AC008745, AC003007, AL050348, AL445248, AL137064, AL157938, AF207550, AC004036, AC005098, AL133288, AC002115, AL079342, AL110115, AC020626, AC004752, AC008764, AL136418, AC007850, Z84469, AC011469, Z93020, AC004876, Z94801, AL109623, AC005231, AC004846, AL133548, AC011475, AL121754, AL109925, AC004847, AC002504, AF037338, AC005229, AP001711, AC009179, AC022149, AL136971, AC027319, AP000557, Z93930, AL021453, AL008635, AP000104, AF165926, AL031311, AC010521, AF001549, AC000039, AC004832, AC003109, AC007684, AJ009611, AC011484, AC004859, AC025593, AL162742, AL139396, AL355392, AC003043, AC010412, AL136979, AL096701, AC006120, AL162430, AC002316, AC002073, AC010473, AC023490, AC006449, AL022311, AC008752, AL136131, AC004971, AC006064, AC008760, AC004263, AC011442, AL078461, AC015651, AC007666, AB001523, AL049830, AL022721, AC006330, AL079341, Z93015, AL121891, AC005920, AC009516, AL109627, AC006111, AC002314,
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					AC004983, AC011540, AC010203, AC018644, AC006312, AP000694, AL049697, Z98749, and AF168787.
HPRCL58	1962	566873	1 - 1125	15 - 1139	BF696367, BF540918, AW341111, AA044864, BF938957, BF215837, AI292080, BF224116, AA744787, AI817131, AI494552, AI683205, AI818054, AI934363, AI912627, BF102579, BE672706, AI690009, BF515906, AW270024, BF196733, AW834910, AA047502, R66959, N33812, AW385439, AW580654, AW373499, AW834905, AW580658, R34571, BF154748, AW373498, AW580662, AW385443, AI127855, AW014566, AW516023, BF115725, AI658590, AW385447, AI147910, AI635220, AW834897, AW069307, AI299728, AW580651, AW834937, BF590244, AA044820, AW834967, BF747247, AW364211, BF154745, BF357802, AW373442, AW338344, AI912815, AW580660, AI766422, AW364212, N79726, AI243430, AW364210, AA663968, AI381583, AI580899, AW580657, BF154741, BG261042, AW364209, BF436178, D62607, AK000143, and AK025014.
HPRCM72	1963	813512	1 - 2441	15 - 2455	BG166460, BE883382, BF683382, AI341658, AW952999, BG163786, BE465453, AI338324, BE326569, BE464879, BF433097, BG261233, W46356, BF437934, AA149241, AI031948, BF445095, AA461239, AI655712, AI828045, BF666548, BE645287, BE218005, AA740917, AW089849, BE938758, BF038531, BE043103, AW162691, AV734920, AV713130, BF001984, AI338571, AA811891, AI830924, AI457882, AW081477, BF670487, AI694811, AI828812, AI811880, BF513545, AA769609, BE550664, AW450022, BE217994, AI458724, W94368, AV716605, AW172702, AA460935, AI332449, AA745014, AA807040, AI167711, AA701349, BF681205, BF541286, AW573067, AI571036, AI336394, AI458489, BF027933, AA864779, R63261, AI221414, AW511576, AA578272, AA805282, AA781586, W94477, BF110711, N50967, AW118243, AW630626, AA705280, AI081322, AA804627, AA505733, AI079516, N21046, N66225, AA620673, AW664752, BF700662, AI291751, AA743371, AI080702, AA976574, AA702877, AA830244, BF572889, AA121467, W46192, BF354049, AA121295, BF435675, AI873006, AA150022, AI216060, BE244500, BE865586, AI342791, AA325308, BF666155, AA586934, N98297, AI535871, AI766438, H82449, AW613882, AW085296, AI584035, AI224954, BG104548, AI276071, AI806750, AI682664, AA076152, AA832356, AA076057, T87592, BE765250, AA669771, BF208676, AW511081, AA860585, AW118242, AW959674, AA228738, AA995894, AI184762, AA830530,

					AW118244, H65071, AA492305, AI352669, H65630, AI095304, BF244857, BE775070, AW971029, Z43498, AI631433, BE243950, N92624, AA976997, T59146, AW517774, BE786488, H05855, AA345351, BE714157, BF247351, R21170, AA285079, AI383913, D79961, W38747, AI610582, AA890635, H79991, R93581, AA304798, N27877, T59184, AI869421, H05748, R22788, AI743377, L32010, Z39568, BE934528, T97283, BE301973, BF675995, AI933883, T97395, H79992, R07789, AW007681, R63213, AA044925, N76786, BE826985, AA150087, H65072, BE938783, AW748686, BF237813, BE768786, BE866492, R93582, BE844122, BE938793, BE938764, AA379573, BE173330, BG114724, BE700340, H03778, AK025902, AL110163, A86967, AC010189, AC010189, AC010189, AC015867, and AC015867.
HPRCSS9	1964	601523	1 - 758	15 - 772	AI656842, AA601318, AA533253, AV706046, AW844236, AW809582, AC005261, AL133162, AC011294, AC005261, and AC005261.
HPRCT73	1965	610024	1 - 1467	15 - 1481	BE867247, AW959185, BG180102, AI692282, BF326265, AI693177, AI770016, AI797349, AU153608, AA744561, AA858185, AA187681, BE218816, BF223634, BF963661, AW511501, BF962265, BE246012, BE645738, AI859101, BF447881, BF059295, AI914038, AI910707, BE219038, AI475851, AI685003, BF959364, AW469637, AW386170, AI346564, AA082682, AI676076, AI918036, N69071, R12698, AI125336, BE550679, BE670589, T10225, AI338497, AI701137, AI453440, AI831296, AA805525, AA983739, AI218164, AI348290, AA487625, BF108577, AI805299, AI628055, AW470873, AA731856, AA469961, BE857670, AW104323, AI932332, AA749368, AI419477, AI280851, AI272788, R53451, AW292462, H19984, AW612389, AI536849, D55901, AA101186, BF477827, BF939581, H18615, Z43908, AI367265, AV728610, AW339028, BF239838, T23854, AA912188, AW162414, AW161923, AI129135, AA421030, AI572157, T34429, F07305, Z39946, T10224, AA358131, AA610763, H18616, F03171, H92677, R53452, AI679046, H08463, H41527, BG253588, BF822918, AW086187, D61160, AI205478, AI831292, BE243443, H04042, H19985, C03630, Z43104, BF927323, H92276, AI638791, F06292, H41634, BG149793, H72176, AA917503, AI547248, AI264383, AW003446, F02580, F01551, AI766728, F02581, N55988, BF054881, BF927224, R16442, AI702728, AW954002, BF900643, AW207551, BF957332, BF963346, D25748, AF236703, AW368832, AA988910, BF348583, AV683324, AA932333, AI086160,

					BF062714, BE247326, BF956229, AI094725, AV685615, F05296, BF959935, AW439925, BF928012, AA365932, BF961886, AI683335, AW402382, AW169022, BF961929, BE079725, R89232, BE089137, AL121961, AK023221, AB010441, AF106624, AL121961, and AC068738.
HPRTH56	1966	852240	1 - 1363	15 - 1377	AI346438, AW891971, AA156797, AV711377, AW772639, AA156904, BE855990, AW614183, AW580724, AI393503, AI816049, BF432440, AI802119, AI590317, AI571764, BF084107, BF224183, AW292394, AW952951, AW891959, AI754161, AW891954, AI653967, AW263668, AW043922, AI951964, AI271699, BF821375, BF821355, AI027697, AA551259, N67237, AI928434, AI280989, AI796478, BE328162, AI805784, BF767002, AI366456, AI623436, BF767024, BE244563, AA932988, AA604791, BF803965, BF957387, AW243456, BE244768, AA678614, Z41210, AI202308, AA366041, BE766746, BE766747, BF941157, AI475208, AW891953, BE938860, AA640351, AW839352, AA461264, AA460957, AA344048, BE931348, BF921692, BF999415, AI421736, AU127124, AA295523, BF790686, AL133585, AF015812, AC009994, and AC009994.
HPTRE80	1967	884167	1 - 1159	15 - 1173	AI719545, BG248226, BE886380, BF116178, AW003531, BF207082, BG250696, AL044449, BE538221, BE784939, AI885407, AW246550, AA490655, AW024407, AW081534, AW960860, AW872780, AI870293, AI360297, BF036691, AA490654, AI921772, AI553796, AA613650, BE537572, AI673517, AI360358, AW082921, AW263806, AI417178, AA846693, AI214250, AA001318, AA374910, AI827461, AI560048, BE314431, AI340075, AI318298, AA595365, BE837126, AA580265, AI829934, AI085813, AI376538, H27782, BG007963, AA948279, AW074629, AW135529, AA910140, AA297010, AA857878, AW248341, AA832012, BF511306, AA297016, BF529929, BF244493, AA906871, T07218, AA568231, AA953262, AI383030, AW150846, AI140575, AW407144, BE884493, T30682, AW248342, AV727418, AF177385, U62317, and AL021683.
HPTRI42	1968	655362	1 - 1084	15 - 1098	AL530013, BF689272, BF057597, BE780679, BE264598, AU159982, AU159148, AI889175, BE782348, BE867162, AW001971, AV660589, AI940395, AI589299, BE398067, AI808453, AA809956, BE397390, T15859, AI962984, H20543, AA235197, AI685406, BG056919, AA862809, BE514151, AI243558, AA995380, BF590659, AA962405, BE696154, BF868362, H20635, AW242465, BE504803, BF348076, AL110260, AK023915, AC004229, AC004229, and AC019071.

HPTRL95	1969	838154	1 - 678	15 - 692	AW006520, AW966157, AI198537, AI826987, AI082195, AI141999, N27331, AW300793, R44544, AW236663, R41778, AA730176, AA335566, AA599629, AA565993, T84622, BE085269, BE085347, AW151420, AA918501, AI201981, AW182722, AP000356, and AC009287.
HPTRQ52	1970	655363	1 - 644	15 - 658	AL527941, AL533906, AW247351, AI832791, AW245938, AI310124, AW674400, AW515975, AW675728, AL529035, AA226400, AU150370, AA569956, AW469172, AI245352, AI890679, BE300693, AI601125, AI962952, AA533187, AI221330, AI564190, W80352, AW188512, BE394504, AA040058, AA633700, AI208267, AI792211, AI215909, N90770, AA643585, BF221803, AI865794, AU138677, N30739, AW512882, N95345, AI890616, BG166982, AA349670, N59649, H91459, AA994951, BE265966, AA311285, AW731826, BF807476, AA037422, AA554209, T95955, BF240778, BF802840, AA176708, AW592984, AA737167, AA431700, AW006451, T95961, BF807473, AI352253, AI372503, AA229521, T95866, AA972235, AU158023, AI733502, BE767129, AA226924, AA323327, AW388658, AL046918, T95860, H13591, W26197, BE909498, BF476991, AA865022, AI148858, AA936123, BF371957, AA641404, AA876362, BF957886, AI905350, AA813410, AA173027, AI879823, AA876167, AA031577, AW518440, AI784024, AI015568, H54187, R77485, AW405360, AA031456, H13222, AA384005, AA470650, AI275659, W80351, AA431493, AA861578, N35164, AW513500, AW088915, BE241964, BE171388, R69693, R38031, AA054553, AW749739, W21999, AI378983, N78203, BF317122, BF205960, W25254, AI364635, BE546333, AI961834, BE770665, AA928539, AX017990, AB026628, AX017848, AB018357, AK001420, AK024944, AL109672, AB031064, AK027098, E06743, AK000251, AL355514, AC021462, AC021462, AC021462, and AC068629.
HPTTH35	1971	566875	1 - 1120	15 - 1134	BF125912, AA005137, AW977762, BE266503, AA436093, AI963310, AI573243, AA704468, AA455479, AA005244, AA428900, AI810754, AI056816, AA455478, N35118, BF437783, AA693616, AA477384, BE276992, BG056964, AI050816, W94369, BG163630, AA435994, N45307, BG027864, AA505955, W46624, AA810964, R88277, W94339, AW073380, W70273, AI073597, W76012, AI673698, W22100, AW026027, AA838824, AI400196, AA429098, F29095, R42095, BF884441, AV653013, BE264802, AW901350, BF817253, BF795580, BE875784, AA172372, AA629771, AU149953, BG231914, AI597653, BF590492, AA877203,

					AI696682, BE466651, AI659812, AI201867, H38177, AW419193, AI090629, W74642, R91951, AW206921, and AK001397.
HPTTI65	1972	612865	1 - 1161	15 - 1175	BE146891, BE146934, BE147052, BE181152, AA429100, BF514237, T78063, AI355725, R29427, BE717873, BG109270, BE885353, AI254812, BF885675, AI696626, AW023590, BG163618, AL036980, AI698401, BG168696, AI633419, AI800433, BG122481, BF970449, AL079740, BE886827, BE781369, BF904265, AW169653, AI345735, AI371228, AW302988, AI889147, AI567351, AI805688, AI439717, BF344479, BE047952, AI800453, BG029829, BG026428, BE887488, BF344652, AI611348, BF527014, AW302965, BE785868, BE964078, BG168185, AW302992, AI690748, AW151136, AI312428, AI801325, BE895585, AW020693, AI349957, BG168549, AL036274, AI470651, AI922561, BF680133, AW002174, AI345005, AW827106, AA833760, BF726237, AI251221, AI340627, AW163823, AI382670, AW162189, AI308032, AI538342, BE964247, AW196105, BE965355, BG030364, AW068845, AI344785, AL041772, BE963035, BE897632, AW827276, AW130863, AI433968, BF339594, AV708097, AI888621, AL041150, BG249582, AW020561, AW167448, BF343172, AW074993, AW071380, BG031664, BG180996, AI335426, AI862144, AI348777, AW149227, AW301300, AI814087, AI497733, AI433384, AI352326, AI281867, AI932638, AW075207, AL036857, AW050578, AW946806, AI312152, AL040243, AI306705, AI473598, AW090393, BE910703, AW152469, AI567582, BG256090, BG036846, BF971016, AI866798, AI872910, AW845239, BF339322, AI349614, AI431424, AA640779, AI468872, AL036548, AI343112, AW193134, AL120853, BF814357, AW105601, BE966990, AW020095, AW167918, AI334884, AI307543, AW169604, BE789764, BG034550, BE138712, AW243886, AW268253, AW274355, AI345224, AI567612, AI282355, AI349598, N71180, AL036925, BE965192, AI890806, AL036664, AI349256, AI554821, AI589267, AI921433, AW269097, AI343037, AI955906, AI313320, BG165051, N75771, BE886728, AW089689, AV746964, BF814521, AW022682, AL079963, AW075084, BG113299, AI590686, BE048087, AL036403, AI950664, BF872670, BE965067, AI349937, AI307520, AI473451, AL048644, AA613907, AW089572, AW071412, AI254226, AI307210, AI307708, AI312325, AI500659, AW072719, AI868204, AI582483, AW087938, AI340659, AI873644, BF909758, AA911767, BE964497, BE778453, AI336495, AI612885, AW129929, AI313352, AV701900,

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HPTTT62	1973	561954	1 - 539	15 - 553	AI279382, AW079776, AV724267, AI371023, AW001957, AW470112, AA004222, AA161098, AW661843, AI301430, W73006, BF475462, AA287151, AA628453, AL521250, AU154198, AA223577, AA630975, AW957475, AA034049, BE242938, AA865389, AA593635, AA284731, AL529908, AI290829, AA988433, BE300077, AA036867, R41300, AW900237, AA287908, AW085031, AI761044, AI420359, AL514731, AA373524, AL514717, AL514701, AW965325, AL514887, AL514793, AL514885, AL513961, AI926878, AV726125, AI859991, AI866770, BF904265, BF904193, AL514757, AI623941, AI886753, AV721999, AI620284, AA641818, AW300782, BF764538, AL036673, AW300889, AW983829, AL515375, AI918449, AW051088, BE536058, AI923989, BG249582, AI783997, BE048087, AL514939, BG164558, BF037484, BE963560, BG166654, AI570807, AI933589, AW983832, AW026882, AI635067, AI923370, AI868931, AW149925, BE875750, BF812960, AI863191, AI537261, AW161156, AL120700, BF812938, AI241923, AI445992, AI624293, BF970652, AI500061, AI433157, AI702073, AV728053, AI612750, BF812961, BG034550, AI890907, AI345745, AL036631, BG251076, AL513895, AI633125, AA665531, AI698391, AI538564, AI915291, AW152182, AI582932, AI872423, AI521560, AI889189, AI866469, AA502794, AI783504, AW054964, AI884318, AW238688, BE964717, W74529, AI824576, AA579618, BE964614, BF699668, AI434741, BE964263, BG104820, BG257535, AW130930, BF527014, AI537244, AI382670, AL514929, AI445990, AW089275, BE620444, AW118518, BF061283, BG029829, AI890507, BG163618, AW021373, AI499621, AI537677, AI886123, BE963838, AI801325, BF344691,

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HPTVH24	1974	831983	1 - 1449	15 - 1463	<p>AL523858, AL530757, AL526604, AL530756, AL523857, BE742122, BG255191, AL536965, BE267204, AL526631, AL525786, AL517094, AL525743, BF683647, AL532624, BF314643, BG119242, AW965225, AW957980, BE793528, AL520557, BE258924, AL530817, AL530818, BE779646, AL517095, AI983378, AW966564, BF477791, BE870471, BE261225, BF975124, BE538921, BE867977, BE856592, BE563479, BG180653, BE261185, BF972782, AL525982, BE207606, BE733006, AA186686, AU119172, BE410472, BE383448, BF311104, BF107526, BE792444, BF309098, AI949363, AW073370, BE737466, BF312662, BE885965, AW297852, AA866117, BE644946, BE251709, AI571754, BE543069, BF686289, AI087053, AA837398, BF184100, AI889098, AI766718, BF130120, BF206936, AI219901, BF185942, AI214230, BE389078, AI471975, AI815177, AI083795, AA740489, AA527147, AA134227, AA908358, AA969313, BE788870, BE266738, BE049224, BF934807, AA661756, AW249810, BG113400, AW732225, AW817546, BE276482, AA134226, AW511415, R72195, AA186685, AL523010, BF312328, BE795248, AA622860, BF313937, AA586777, BE783992, BE262383,</p>

					AW511674, AA350806, F34949, AA326181, AW248074, AI697087, BE908775, AW009686, AI738560, AW592894, BF314882, H96214, BE264413, BF348580, BE275749, BE782334, BE396255, BE933341, BF683551, BE672836, AL523054, AL536964, AI955869, BE173838, AA301762, F19158, AW863226, BF932698, BE206985, AA350807, BE206604, AL520558, BE263986, BF871360, W21593, N89670, AA346389, BE797008, AW183231, C00663, BF808727, BE208535, AK024100, and AB046026.
HPTVH59	1975	695753	1 - 461	15 - 475	AI536712, AI692730, AV751783, AI051194, BE393802, R06700, AV750906, AC010336, AC010336, AC010336, AC024700, and AC024700.
HPTVI04	1976	897503	1 - 622	15 - 636	AL527531, AL530637, BG258647, AI961268, AA781362, AI670127, AA573497, AA406108, AW024309, AA493363, AI378107, AW593363, AW118347, AI972538, R59556, BE350621, AW085179, AI358358, AI961804, N47964, AU154925, AI282954, AA689390, AI921126, W42919, AA926671, R43394, R38643, AW572249, N48170, AW518341, W42864, AW009029, AA025090, F10419, D31581, AI911823, AA807961, AI926438, AI417355, AI829357, AW351626, AA025180, AL080126, AL137394, AK001786, AB014583, AL031705, AL031705, and AL031705.
HPTVI96	1977	636064	1 - 506	15 - 520	BE907476, BF026598, AW070517, AV706787, AV721296, AA156834, AI553893, BE675928, AI288705, AI762669, AW273834, AW024561, AI312660, AI138250, BE672892, AA626719, AA594341, AW974501, AI219985, AW071929, AA828157, AI309908, AI057511, AI268592, AI286041, AI870386, BG222673, AW303596, AA156597, AA812762, AI039165, AI024129, AI089622, AA456739, AI924451, AA989383, AA482452, AI803068, AA417820, AA994692, AI051535, AI801913, AI672921, AI800826, AA494488, AA455184, AI025564, AA954675, AI807763, AA862743, AW952786, AA887974, T98015, AI240669, AA977347, AA972180, AI368505, W24116, AA933043, AI784667, AA934066, AW183454, AI868633, AA907741, AW663428, T86139, AW205935, T89455, AI245098, AA513366, AA515593, AA813534, AA338859, AA115080, BE672891, AI381801, F17301, C03097, AI659028, AA216001, N91938, Z42400, AI913851, AA992249, Z19268, AA365163, AI420340, AI656368, AA648946, AI583724, AA992479, C03931, AA770117, BE185666, AA479458, AI289208, AL045997, BG028917, AK026514, AF151894, and AC004789.
HPVAA15	1978	783074	1 - 1492	15 - 1506	U66672, BG149983, BE220217, AW131017, C75680, AW976862, AI698175, BF592100, BF820191, BE934163, AW139910,

					AV718464, AI927324, BF969534, BF477889, BE934155, AI149841, BF108637, AI350336, BE972368, AI719738, W63628, AI252793, BF693921, C75537, AA678642, AI468753, AA761308, H14372, AV654143, R53428, AI628084, AW303361, BF695268, AI631298, W32872, H26264, AI942287, AW189609, H14421, AW571824, BE008292, BE008304, BE008296, T39821, BF944969, BE503590, BE008301, W32871, T24994, AC005495, AC005495, AC005495, and AC005495.
HPVAB20	1979	601692	1 - 892	15 - 906	AI346507, AV757441, AI291128, AI023312, BF858782, AI400218, BE350174, D62172, BE542927, AI289126, AA878195, AI784347, BF093963, AI289018, R08723, R08629, AI334382, AA626111, AA723223, AL139156, and AL139156.
HPVAB63	1980	561955	1 - 760	15 - 774	AI769491, BF061566, N21690, AW005066, AA810707, AI670911, AL519866, AI692255, AA028186, AA028093, AA748907, AI919266, H95373, H11597, AI222427, R36867, R36878, H11039, F11007, BF038215, H98922, BE673007, R41802, AI081406, AA890250, AA041517, AI955106, AA906163, H95399, T65065, AA340673, AA340628, AI480237, AW952835, AA188967, AI032939, F09658, AI248293, AI244322, AI041326, AI523748, AW839186, AW581346, AI373139, AI798651, T23945, AW839188, AA302578, AW581350, AW958014, AW958010, AW023038, BF825476, AA678059, AL524399, AC009309, and AC009309.
HPVAF86	1981	750951	1 - 1222	15 - 1236	AP001203.
HPWAH55	1982	866478	1 - 2057	15 - 2071	AL390738, AL390738, AL390738, AL390738, AL136439, and AL136439.
HPWAO89	1983	732157	1 - 1453	15 - 1467	AA703048, AA009653, AA009654, AI863675, H54572, BF904378, H54682, AI383976, BF758503, BF904379, AW020397, BE393551, AW411235, AW411351, BF911554, BE877142, AW411265, AA127565, AI334895, AA100772, AW410902, AV697880, AA806534, BF815930, AW411043, T28421, BG104240, BF669663, AI348870, AA853213, BG107454, AA853539, AW951618, AA420722, AW021717, AV706532, AV654326, AI307446, AA420758, AW265004, N22276, AV702385, AW238688, AW409775, AW410969, BF858085, BF204969, BF797330, BF089692, AW952183, BF812426, AL035652, E12579, AF038440, S78453, AR072149, A18777, AR068753, S77771, AR068751, A91160, Y11254, AF065135, A76337, A76335, I92592, S68736, AB022159, AK000212, AK026924, A47357, AF217994, A18788, AL137471, I89934, I89944, AB047613, AF230904, AR075041, S71381, AB047615, AL161953, AR072729, AK026659, AR030544, AL050208, I80064, A93016, AK026870, AL137554, X96540, A23630, AK025889, AK026353, AF159615,

					AL133624, AF125949, AK027137, AB047819, AR054987, AF176651, AK027244, AJ242859, AL035652, and AL035652.
HPWAS27	1984	536008	1 - 1187	15 - 1201	AA570351, T79925, H09325, T87451, W79649, AW968156, AA469441, BG029528, T87918, AI890794, AL118925, AW438907, AC006361, AF086391, AL117382, AL122023, AC008569, AP000077, Z73417, AC009145, AC004525, AC011449, AC073898, AL035587, AC011484, AL121652, AL031589, AL162615, AL121928, AL359763, AC008155, AL445490, AC007688, AL160231, AL049776, AC002994, AC005839, AL136137, AC025435, AC022407, AC020904, AC007057, AC000353, AC005484, AC008747, AF190464, AL121825, AL133229, AC020898, AL109797, AC004699, AL356299, AL031295, AC005578, AL110114, U52111, AC005206, U91321, Z93015, AF207550, AC004007, AL096700, AC004089, AC005104, AC011475, AC004841, AL137162, AC005667, AP001711, AC005488, AC008752, AL357519, AC021999, AC004876, AC002073, AL049744, AC005102, AC003663, AC003101, AC004253, AC006038, AL135905, AL031670, AC011462, AC004166, AC005081, AC007014, AL132653, AP000030, AL050321, AL121900, AL031723, AC003950, AC005098, AC004832, AC006011, AJ277546, AL133215, AC011490, AC024561, AC004787, AC005969, AL022320, AF213884, AC009953, AL033520, Z84466, AB020863, AC008745, AC006449, AP000501, AC004890, AC011548, AC004924, AP000045, AC007956, AC004491, AP001718, AC016995, AC005368, AC006120, AC005911, AC025594, AC016395, AC007406, AC002310, AP000113, AC006948, AL121653, AL049692, AP001716, AL158830, U52112, AC005800, AL031286, AL109623, AC007055, Z93241, AC004000, AP001746, AF111168, AL034420, AC008551, AC020629, AL163194, U63721, AL022165, AC020916, AC007193, AC006487, AC010150, AL050318, AC008474, AC005702, AC011742, AC011479, AL117354, AC010422, AC003982, AC018755, AL050349, AC005409, AP001752, AL034405, AC005015, AP001053, AC008536, AP000212, AP002361, AP002361, AC006361, and AC006361.
HPWAT86	1985	747520	1 - 603	15 - 617	AI126447, AC026424, AC008488, AC008488, AC010245, AC010245, AC008587, AC008587, and AC008587.
HPWAV82	1986	830084	1 - 623	15 - 637	AA481447, N53395, AA461618, AW089082, AI911567, AI301106, BF115945, BF115818, AI656899, AI302288, AA838753, BG110768, BE159539, AA302978, BG003443, BF804385,

					AI718323, AA714073, BG250789, AA862029, AL049697, AC018639, AC004552, Z83826, AC005859, AP001747, AL109963, Z93015, AC018755, AL163282, AC010092, AC004383, AC005089, AC008162, AP001724, AF235098, AL133325, AC006509, AL162414, AC002492, AL009172, AC005696, AF042090, AL353999, AC008551, AP000688, AC005209, AL050349, AJ277662, AF243527, AL139377, AL023096, AC006313, AC011490, AL031132, AF196969, AC006210, AC009506, AC002476, AC020552, AC004659, AC022402, AC007993, AC004805, AC002302, AC006013, AC022201, AC008555, AL139343, AL161901, AL157837, AC009480, AC008738, AP001731, AC016830, AP001626, AC016027, Z83822, AL035555, AC017002, AL135902, and AP001160.
HPWBA36	1987	840380	1 - 1596	15 - 1610	AI625791, AI805363, BF904807, AI733856, AW088049, F23327, AI284583, AA176605, AW148792, AW270258, AI679713, AL354720, AC011811, AC008569, AC004797, AC006318, AL121658, AC006430, AL034417, AC018641, AC004996, AC004166, AL008582, AL035458, AC004686, AL136300, AL080243, AL031295, AC002544, AJ295844, AB023049, AC005488, AC005089, AP000505, AC005081, AL122015, AC002059, U80017, AL354864, AL049776, AC004596, AF196969, AC005098, AL355499, AL157838, AC004867, AC005523, AC005330, AL049840, AC003663, AF053356, AC008752, AC011449, AP001441, AL096791, AC006153, AL135744, AC007688, AC020904, Z83822, AC010422, AL137100, AC006329, AC018639, AL034420, AP001725, AC005399, AC004859, AL136170, Z99716, AC005914, AC020916, AC008012, AP001717, U91326, AC024571, AC007384, AP000692, AF168787, AL050402, AF129756, AP000032, AL138717, AC004854, AL109930, AP000142, AC005288, AC011475, AC005562, AC007845, AC010142, AL157877, AL035587, AC000120, AL121825, AC011895, AC005209, AL022320, AC008925, AC004972, D87675, AL133163, AC005037, AL008730, AL133232, AL139099, AC006121, AP000269, AL355799, AC006449, AC073316, L44140, AL109797, AC008760, AC005015, AC007731, AL022302, AC006441, Z81364, AC009087, AC005409, AP000090, AL121751, AC020913, Z98946, AC000353, AP001706, AP001714, AC004884, AC005500, AP000103, AC008764, AC005520, AL035071, AC010162, AC010162, AC010162, AC010158, AC010158, and AC010158.
HPWTF23	1988	843700	1 - 1994	15 - 2008	AL519322, AL519321, AL528621, AL525472, AV708533, AV707483, BG117131,

					<p> AV701688, AW954252, AV701690, AL525317, BF968790, AV709370, AV707363, AV657517, AI635895, AL036882, AW857209, AL036883, AV707606, BF128575, BG121441, BE295239, AW392020, BF311431, AV762694, AV706829, AA523541, BE073173, BE295817, BF514386, BE675214, AI949219, AW262884, BE858056, BG055038, BG249916, BG037033, AW371034, AI674706, AI708919, AV715587, AA535070, AA679292, AW022838, N50052, BE830095, AU148045, BE870349, BE349624, BE350028, BF837239, AA147899, BF845844, AW073776, AU147814, BF725674, AI368808, AI927857, AI342463, AV701888, AI140105, AA487093, AV750709, BE858057, AW190710, AA147844, AI096573, AA716187, AA722314, AI862165, W63717, AW262935, AA906753, AL525667, AV748474, AI269618, AI760874, AI074133, AA662310, AI924825, AI309724, AW468063, AA613662, W76557, AI089512, AI984192, AI707646, AA459957, AI624320, BE164613, BF967589, AW029309, AI640395, AI128327, AW176265, AW167854, AA040063, W46859, AI570042, AA618091, AI144525, AA010681, AI379204, AA460046, AA862301, AA599534, AV743247, BE138816, AV650781, W67232, AA971998, AI310729, N62277, AI597921, AI978845, AI671691, AI766634, W72563, AW316882, AI570060, AA135362, R52727, AW468339, AA516433, AW276147, AI800083, AI572626, AI272092, AI368167, N50029, AI865786, AI708598, AW316956, BE063387, AW007919, BF725145, AV650618, AV661271, T63404, AW243982, AA394163, AA431390, AV739478, AA018926, N47564, AV736149, AI480119, AW263269, AI039111, AV650298, W60279, AA765950, AA775091, AV741361, AI672788, W92333, AI913079, AA602156, AA010680, AI312732, W58299, AI718214, AV744886, AI865478, W46821, AW338299, AA115222, AA026509, AA833692, T65926, BE676820, AW629236, AV760664, AV744890, AW512231, AI272268, T79429, AI420676, AI933008, AI720397, H44638, AI699112, W58190, AA318908, BE160746, AA576196, T60058, AA318968, AA335541, AA507838, AL038891, BE244391, AI567253, T33201, AI422399, BE242438, F28371, W92390, T27118, AV660511, AI198237, AA279281, T32253, AA987730, AI521033, AI582582, AA137239, W65468, H26544, AA115157, AI377668, BE245885, AA953911, BE241874, AI587551, R22214, AI918377, AW779069, AA953835, AV760987, T79517, AW263932, W65469, AI524412, BE241477, AI955974, AW023746, BE160914, AV746796, </p>
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					<p>AI216726, BE831539, AI184048, AI598049, AA148643, AI246336, AI538030, W46870, T60102, BE179366, AI224380, F09314, AW663101, T63029, AA043646, AA302796, T65354, BE243054, BE063421, T30199, AY007119, AF183393, A83709, AB025432, AF153603, AL110191, AB025431, A82788, AF201288, AF201289, AF201287, Z50781, T63278, T64499, R22268, R34893, R49280, R49280, H43597, R86094, N47563, N54684, N54707, N77565, W60371, W67342, AA019007, AA148642, AA190663, AA464495, AA464496, AA427718, AA429282, AA244422, AA244455, AA551457, D79925, N85667, C20552, AA652629, AA652778, AA292345, AA293158, AA293176, AA292756, AA432382, AA835434, AA909440, T24090, D45452, F11656, F11926, and F09572.</p>
HPWTF23	1989	844775	1 - 1994	15 - 2008	<p>AL519322, AL519321, AL528621, AL525472, AV708533, AV707483, BG117131, AV701688, AW954252, AV701690, AL525317, BF968790, AV709370, AV707363, AV657517, AI635895, AL036882, AW857209, AL036883, AV707606, BF128575, BG121441, BE295239, AW392020, BF311431, AV762694, AV706829, AA523541, BE073173, BE295817, BF514386, BE675214, AI949219, AW262884, BE858056, BG055038, BG249916, BG037033, AW371034, AI674706, AI708919, AV715587, AA535070, AA679292, AW022838, N50052, BE830095, AU148045, BE870349, BE349624, BE350028, BF837239, AA147899, BF845844, AW073776, AU147814, BF725674, AI368808, AI927857, AI342463, AV701888, AI140105, AA487093, AV750709, BE858057, AW190710, AA147844, AI096573, AA716187, AA722314, AI862165, W63717, AW262935, AA906753, AL525667, AV748474, AI269618, AI760874, AI074133, AA662310, AI924825, AI309724, AW468063, AA613662, W76557, AI089512, AI984192, AI707646, AA459957, AI624320, BE164613, BF967589, AW029309, AI640395, AI128327, AW176265, AW167854, AA040063, W46859, AI570042, AA618091, AI144525, AA010681, AI379204, AA460046, AA862301, AA599534, AV743247, BE138816, AV650781, W67232, AA971998, AI310729, N62277, AI597921, AI978845, AI671691, AI766634, W72563, AW316882, AI570060, AA135362, R52727, AW468339, AA516433, AW276147, AI800083, AI572626, AI272092, AI368167, N50029, AI865786, AI708598, AW316956, BE063387, AW007919, BF725145, AV650618, AV661271, T63404, AW243982, AA394163, AA431390, AV739478, AA018926, N47564, AV736149, AI480119,</p>

					<p>AW263269, AI039111, AV650298, W60279, AA765950, AA775091, AV741361, AI672788, W92333, AI913079, AA602156, AA010680, AI312732, W58299, AI718214, AV744886, AI865478, W46821, AW338299, AA115222, AA026509, AA833692, T65926, BE676820, AW629236, AV760664, AV744890, AW512231, AI272268, T79429, AI420676, AI933008, AI720397, H44638, AI699112, W58190, AA318908, BE160746, AA576196, T60058, AA318968, AA335541, AA507838, AL038891, BE244391, AI567253, T33201, AI422399, BE242438, F28371, W92390, T27118, AV660511, AI198237, AA279281, T32253, AA987730, AI521033, AI582582, AA137239, W65468, H26544, AA115157, AI377668, BE245885, AA953911, BE241874, AI587551, R22214, AI918377, AW779069, AA953835, AV760987, T79517, AW263932, W65469, AI524412, BE241477, AI955974, AW023746, BE160914, AV746796, AI216726, BE831539, AI184048, AI598049, AA148643, AI246336, AI538030, W46870, T60102, BE179366, AI224380, F09314, AW663101, T63029, AA043646, AA302796, T65354, BE243054, BE063421, T30199, AY007119, AF183393, A83709, AB025432, AF153603, AL110191, AB025431, A82788, AF201288, AF201289, AF201287, Z50781, T63278, T64499, R22268, R34893, R49280, R49280, H43597, R86094, N47563, N54684, N54707, N77565, W60371, W67342, AA019007, AA148642, AA190663, AA464495, AA464496, AA427718, AA429282, AA244422, AA244455, AA551457, D79925, N85667, C20552, AA652629, AA652778, AA292345, AA293158, AA293176, AA292756, AA432382, AA835434, AA909440, T24090, D45452, F11656, F11926, and F09572.</p>
HPWTF53	1990	844737	1 - 2176	15 - 2190	<p>AI215674, BE550233, AI202445, AW470728, AI701531, AL535988, AW137589, AI417175, BE619312, AW371109, AA320008, AW866867, AA491284, AA028127, AA845804, BE164570, AA613227, AA346458, AI014361, AI696793, AI003611, AC004106, AC008536, AC008812, D49677, U51224, D49676, AC008892, AL133551, AC003029, AL049759, AC008403, AC002563, AC018758, AC001231, AC002565, AC020744, AL391097, AC008745, AC002287, AC005913, AL163249, AC006080, AC005859, AC004526, AL022163, AL137064, AC004765, AC006483, AC003101, AF124730, AC005746, AL392084, AC007919, AL355392, AC002133, AC004485, Z82194, AP001732, AC007386, AP001037, AP001709, Y10196, AC007216, AP001697, AC010618, AL390023, AJ251973, AP001687, AC002558,</p>

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HPXAB56	1991	638157	1 - 226	15 - 240	
HPZAB75	1992	842154	1 - 672	15 - 686	AI074460, AW975297, AU152547, AA659886, AI673277, F37336, BE856979, W81463, AI951472, W92273, AV711418, W92347, AA011335, AW020100, AW991390, AW373252, AA010728, W81493, F27270, AW577306, AK001586, AL358977, AL358977, and AL358977.
HRAAB26	1993	693244	1 - 1947	15 - 1961	BF842972, AP000096, AP000240, AP001705, AP000096, AP000096, AP000200, and AP000200.
HRAAC36	1994	798104	1 - 2633	15 - 2647	BF754415, AI017882, BF753649, BF753672, BE677425, AW516510, BF928228, AL137162, AP001717, AL033529, AL133332, AC004707, AC004890, AC002425, AP000045, AP000113, AC002312, AC025470, AC006581, AC003070, AC007679, AC027319, AC004834, AP001759, AC010412, Z84487, AC004653, AC008569, AC009399, AC010285, AL049762, AC005736, Z85987, AC007565, AC005952, AC005291, AC007563, AL355385, AC007773, AL121890, AL049636, AL355392, AC004646, AC005482, AC005722, AC008551, Z85986, AL031311, AC009073, AP000300, AC010605, AL050307, AC005538, AC004134, AC005102, AL031597, AC008474, AC005288, AC006038, AL034550, AL049709, AC005875, AL009031, AC007371, AF003626, AC004965, AC002326, AL117333, AL139150, and AL022326.
HRAAF59	1995	847086	1 - 1506	15 - 1520	N30291, AI537020, BF854180, AI345394, AI679774, AA053463, AI654738, AA397821, AW468003, U95737, AF168787, AP001713, AP000034, AC004003, AF117829, AL050307, AC005015, Z82178, AC006316, AC005488, AC004771, AC006014, AC008641, AC005233, AC005932, AP001698, AF001550, AC007362, AC004859, Z85987, AC005067, AC004813, AC009228, AC006115, AC008812, AL135901, AC011475, AC008616, AL353804, AL137159, AL159168, AC004099, AP000511, AF225898, AL162724, AC004765, AL132653, AL450224, AC008044, AL121899, AC009116, AC020552, AL109827, AC006480, AC009086, AC005014, AC005476, AC006329, AL109965, AL096791, AC005291, AL035427, AC004826, AC006509, AC005520, AL137039, AC004706, AF111168, AC009247, AL022320, AL356575, AC005102, AL049780, AL132987, AF243527, AL139099, AC002550, AC005082,

					<p>Z95115, AC005231, AC007666, AC004898, AC002300, Z83840, AC006443, AL031003, AL133174, AC008569, AC009087, AC004019, AC009501, AL121751, AL031680, AC006211, AC004067, AP001745, AC002468, AC015555, AL135905, AP001597, AF196972, AC083863, AC005522, AL031681, AC004531, AL031670, AL109758, AC016602, AC004409, AL008718, AP001696, AL022312, AC004472, AL023584, AC005189, AL031311, AF107885, AC011442, Z93015, AC006441, U95742, AC002476, K03021, AC007216, AJ009611, AC002310, AC011469, AL031291, AL133545, AC011811, AC004491, AL033529, AL121890, AC000025, AC004002, AC008753, AC008560, Z93930, AL031393, AL132772, AC008521, AC007956, AC006312, AC004671, AC005320, AC005038, AC002426, AC004887, U95737, U95737, and U95737.</p>
HRAAG89	1996	621271	1 - 580	15 - 594	<p>AW298121, AI671730, BF939310, AI125492, AA824313, AI693007, AI684764, AI379854, AI419836, AW070876, AA665983, AA777811, AI272720, AW516973, AI369047, AI347852, AI301020, AI022624, AI684754, AI702084, AA582422, AA954968, AW628874, AA989429, AA775688, AA665932, AW044356, D79829, D62776, AW511730, AI698551, AW181996, AA976166, AW440071, D62719, BF767888, AI923301, W26688, AI538885, AI521560, AI888661, AL515375, BG252929, AI866573, AL042944, AI539771, AI537677, AI284509, AI500659, AI801325, AI500523, AI284517, AI500706, AI445237, AI491776, AW151138, AI282249, AI500662, AI567971, AI633493, AI434256, AI866691, AI284513, AI433157, AW151132, AI888118, AI432644, BE883591, AI499915, AI889189, BE885490, AW151979, AI434255, AW151136, BE897632, AI494201, BF812963, AI804505, AI815239, AL042865, AI866465, BE886728, AI815232, AI538850, AI887775, AI582932, AI923989, AI590043, AI872423, BF811804, AI289791, AI926593, AL513947, AI285417, AI582912, AW172723, AI539800, BF811802, AI440263, AI889168, AI927233, AI866469, AI434242, AI805769, AI500714, AI285439, AI859991, AI436429, AI623736, AI889147, AI355779, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AI866786, AI860003, AI610557, AI431316, AI242736, AI828574, AI539260, AI887499, AI539781, BF812438, AI702065, AI539707, AI805774, AI885949, AW089557, AI285419, AI559957, AI521571, AI469775, AI866581, AW074057, AI815150, AI567953, AI446495, BF663225, AI867068, AI952433, AI225248, AI698352, AI371229, BG029667, AI554821, AI561170, AI440260, AW151974,</p>

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HRAAO40	1997	664500	1 - 919	15 - 933	BF764063, BE503220, AA015756, AA019917, AA058771, AA452657, AA015781, AL049539, AC005387, AL136223, AC006115, AL359704, AC046176, AC046176, AC046176, AC018607, AC018607, and AC018607.
HRAAZ12	1998	834637	1 - 4547	15 - 4561	AI819729, BF112082, BE856756, BE856768, AA127691, AI760642, AA099129, BE218878, AW297737, N47688, AA057388, AW473131, AI191464, AI831261, AW881091, AA683489, BE549811, AA702145, AW298292, BF111985, AA047104, AA034447, AW008471, AI478485, AI143087, W72221, N90777, AI797608, BE644689, N54402, AI150714, AI934906, H99253, AA057640, AW029384, AW085755, AW880832, AI241539, AI394589, N29046, AI139365, BF059616, N46649, AI363151, N79568, W19201, AI818035, N20176, AI480190, AA703696, BF918682, W92085, H29681, AA234942, AI023775, AI984281, BE218527, N20668, AA644365, W77965, AA418398, N31777, N26125, AI090568, N33546, N53300, AI752094, N31684, AA047241, AA418495, AI283701, N24184, AW886108, AI360042, AA057680, BE833906, AW369652, AI277679, N30533, N29077, R99592, W16605, R19850, N20808,

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HRABA19	1999	621384	1 - 1128	15 - 1142	<p>AI149779, AA983913, AI284077, AC018718, and AC018718.</p>
HRABP28	2000	823344	1 - 1303	15 - 1317	<p>AA501609, T83285, T90751, T90742, T83292, AC011497, AC010092, AC020552, AC003665, AC020916, AP001748, AC011811, AP001630, AF053356, AL137139, AL035249, AC005086, AL132639, AL353653, Z98304, AC006329, AC007226, AC005067, AL022476, AC008738, AL121751, AC004491, AE000661, AL391122, AC006241, AL050349, AC003047, AC008521, Z97054, U95740, AL139390, AL031678, AC008745, AC009405,</p>

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HRABU56	2001	621381	1 - 406	15 - 420	BF510431, AA523313, BE817051, R64716, AW072691, AW971745, AF023259, AR080280, and AB026436.
HRABZ80	2002	562230	1 - 1492	15 - 1506	W86757, W87328, AA577577, T88977, AA342711, AC018927, and AL121653.
HRACB01	2003	637647	1 - 1410	15 - 1424	AA002179, N87836, AA001215, AA493226, AL109753, AL121761, AC005529, AC020913, AP000045, AC002565, AC020908, AC008474, AC002073, Z95115, AC008066, AP001717, AC006117, AL034380, AC004887, AC006261, AB023050, AP000512, U91321, AC005519, AL022336, AC007220, AC005522, AC004953, AC004587, AC011811, AC058791, Z99128, AL442166, AL008719, AC005013, AC009247, AC004651, AL109976, AC005071, AL163284, Z84469, AC002115, AC005000, AC003684, AL109797, AC007394, X99832, AP001748, AC027319, AP001631, AC002300, AC006457, AC004531, AC005972, AL035406, AL022316, AL391684, AC020917, AL158167, Z84484, AP000346, AC005081, AL031276, AC005840, AL445705, AL159997, AC004771, AL450224, Z85986, AL023553, AC005089, AL008721, AL365505, AL450226, AF064861, AC012039, AL137039, AC003101, AL109984, AC011465, AL136131, AC005279, AC087094, AC008521, AL353653, AC008050, AC007664, AC002425, AL031427, AF002223, AC005482, AB003151, AC008155, AC002350, AL020997, AC005056, AL023803, AL161445, AL034429, AC004967, AC004841, AC000381, AC010618, AP001670, AC010358, AC011529, AC006211, AP001716, AP001728, AC011895, AC009731, AC007934, AC068499, AC005694, AL109753, AL109753, and AL109753.
HRACI39	2004	840461	1 - 1334	15 - 1348	N27657, AC002544, U91326, AL133499, AP001711, AL033378, AL034549, Z93023, AL050321, AP000030, AC011489, AC002425, AC010494, AL109936, AC018738, AC004491, AL121656, AC005899, AC018764, AP001579, AL163301, AC004832, AL021977, AC011933, and AC011933.
HRADU15	2005	801926	1 - 835	15 - 849	AA149540, BG034847, AA151953, AA164803, AA164802, AL042753, AL138455, AL042853, AL037683, AA587604, AA508359, AI334443, AW245747, BF810879, AI284640, AV763971, BG249643, BF725315, AA679532, AI799642, BF337291, BF347791, BE253048, BF347740, AV759518, AV762098, AW303196, BF676981, AW419262, AA584167, AW301350, AI133297, AW518220, AV762645, BF677892, BF882286, BE787152, BG060148, AV761631, BE297262,

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HRDAH04	2006	651356	1 - 1505	15 - 1519	T88852, AL109965, AC004491, AP000211, AP000133, AC008555, AP001711, AL136147, AL096791, AC005996, and AL109965.
HRDBA20	2007	637709	1 - 1278	15 - 1292	AA847029, AV762633, AW504485, BF681619, AV762741, AW438542, AV761714, AA402129, AV759557, AV761862, AA634837, AI821714, AI792133, AI791913, AW819125, AV710482, AW468372, BF839844, AV758903, AV711465, BF965290, BF891585, AL042373, BE138594, AV760918, BG236628, AW500029, AW327804, AI821785, BF934628, AA191418, AW976024, AA630672, BF725884, AA455483, AA574442, AW963904, BF677892, AI908575, AV762982, AA084766, AI867058, BG059314, AW504224, BF675251, AW148507, AA715814, AA749235, AA579179, BG029528, BE147833, AL135357, AV755512, BF915247, AL079734, BF984807, AA533176, AU152561, AI040051, AW270256, AI369580, AW021917, BF968880, BF681607, AA633920, AI354423, BF915722, AV758097, AL079645, BF915628, AV711430, AA610509, AA133928, AW190505, AW970877, BF916934, AI267269, AW502688, AW303196, AW845366, AW805539, AL040054, AW302909, AA584489, AA603530, AI357823, AW409710, AW237905, AI754037, BG029224, AA226584, AW301350, BF965775, BF750422, AV730824, AI753113, AV762033, AW274349, AW575000, AV763026, AV763058, AI587583, AV758790, AA167055, BE909125, AW970896, AI587565, AA833875, AW955693, AA833896, BF678990, AI267356, AW963117, AI267450, AI923052, BE019467, AV740009, AW872676, BF769368, AI865905, AI275982, AV761519, BF760919, AL042756, AI859946, AA410788, BF526831, AA582554, AW419262, BF725844, BE294700, H05940, BF347791, BF347740, BE143634, AI188390, AW872575, AW805547, BF541258, AW502796, AI696962, AW974932, AI537020, BF974756, AI733856, AW872736, H15652, AW500684, AW969928, AL120343, BG180976, AW410354, AA653139, AI306028, AA528546, AA457070, AA613627, BE968744, AA166835, AU118852, AL036665, AL118991, AI056177, BE063437, AA654321, AW263749, AW270619, F35374, AV713822, BE139146, AW103406, AI792575, AV702109, AI133029, AA583394, AW855803, AW327624, AI755214, AL031430, AC018684, AP001716, AL121656,

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HRDBD32	2008	637710	1 - 1278	15 - 1292	AA847029, AV762633, AW504485, BF681619, AV762741, AW438542, AV761714, AA402129, AV759557, AV761862, AA634837, AI821714, AI792133, AI791913, AW819125, AV710482, AW468372, BF839844, AV758903, AV711465, BF965290, BF891585, AL042373, BE138594, AV760918, BG236628, AW500029, AW327804, AI821785, BF934628, AA191418, AW976024, AA630672, BF725884, AA455483, AA574442, AW963904, BF677892, AI908575, AV762982, AA084766, AI867058, BG059314, AW504224, BF675251, AW148507, AA715814, AA749235, AA579179, BG029528, BE147833, AL135357, AV755512, BF915247, AL079734, BF984807, AA533176, AU152561, AI040051, AW270256, AI369580, AW021917, BF968880, BF681607, AA633920, AI354423, BF915722, AV758097, AL079645, BF915628, AV711430, AA610509, AA133928, AW190505, AW970877, BF916934, AI267269, AW502688, AW303196, AW845366, AW805539, AL040054, AW302909, AA584489, AA603530, AI357823, AW409710, AW237905, AI754037, BG029224, AA226584, AW301350, BF965775, BF750422, AV730824, AI753113, AV762033, AW274349, AW575000, AV763026, AV763058, AI587583, AV758790, AA167055, BE909125, AW970896, AI587565, AA833875, AW955693, AA833896, BF678990, AI267356, AW963117, AI267450, AI923052, BE019467, AV740009, AW872676, BF769368, AI865905, AI275982, AV761519, BF760919, AL042756, AI859946, AA410788, BF526831, AA582554, AW419262, BF725844, BE294700, H05940, BF347791, BF347740, BE143634, AI188390, AW872575, AW805547, BF541258, AW502796, AI696962, AW974932, AI537020, BF974756, AI733856, AW872736, H15652, AW500684, AW969928, AL120343, BG180976, AW410354, AA653139, AI306028, AA528546, AA457070, AA613627, BE968744, AA166835, AU118852,

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HRDBL01	2009	631169	1 - 921	15 - 935	AW073879, AV729153, AA361513, W45215, BE149998, AI915081, AI299192, AI921765, AV697659, AV700495, AA758244, AI421257, AW151201, AI962030, BE044754, AA683069, AW963663, AW082104, AL048479, AI932871, AI653776, BG236484, N45056, AI278130, BE676765, AI249688, AV711992, AA557911, BG028748, AW500684, AI679294, AI345334, BF983604, N30016, AW572721, BG059972, AI679871, AC011449, AC008050, U02052, AL049697, AD000813, AL391384, AC004447, AC007225, AL031055, AC004491, AP000553, AL133454, AC018751, AC005088, AC011718, AL034405, AC006111, AF168787, AC009116, AL031729, AC004883, AK023615, AC020904, AC011540, AL136532, AL096791, AC004867, AC011491, AC007981, AC023490, AP000556, AC009516, AC005746, AL121983, AL133448, AC005681, AC007055, AC005920, AP001630, AF111167, AC006441, AC011442, AC007536, AC007954, AL035659, AC010737, AC010102, AL157938, L40391, AL121825, AE000662, AP001716, AC004966, AL020997, Z85987, AL031680, AL353804, AC010283, AC002402, AC007051, M94081, Z98048, AP001063, AC007919, AL008718, AL133294, AL121751, AC016576, AC000134, AC005391, AF001550, AC009003, AL135905, AC023491, AC004254, AL121891, AC004531, AC001226, AL049780, AC006120, AL030996, AC005874, AF134471, AF134726, AC005098, AL353777, AC036103, AC005064, AC009365, AC005358, AL358777, AC010127, AP000552, AL049829, AC007263, AP000252, AP000503, AC002543, AC008569, AC006241, Z77852, AC005236, AC004938, AF045555, AC007151, AC007025, Z85996, AC008155, AC002511, AP000103, AC004983, AL137466, AC005780,

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HRDDM85	2010	799542	1 - 2166	15 - 2180	BF793477, BE250577, BE736918, BE616582, BE615376, AV731015, AV652861, BE563291, BE728115, BG032917, AU116940, BE386373, AV701925, BG250960, BF338817, BE883545, BF951636, BF871285, AV706319, BE531051, BE385152, AA577789, BF733347, AU120778, AV652798, BF673583, AL133895, AU139668, BF680445, BF874267, BE899007, BE620216, BF877837, BF943073, AA583363, AW893125, BE264980, AW962273, AA720812, AW899342, BF346135, BE379426, BF815608, AA456928, BF732306, AA180390, AA487214, AA487598, AA418919, N23657, AA808950, BF803637, AA584606, BE898175, T63786, AA649067, AA179694, BF217767, AA584599, AI132952, N23646, AI761174, AA503299, AI568660, BE167158, AA663257, BF883829, AI926740, AI832080, AU121535, BF871283, AA713998, BE153395, T57474, AA774117, AI002286, AA601152, AA309271, AA081957, AA225638, BF203663, AI940708, AW957880, AW957801, AW962826, T57745, AU136531, AA584589, AA524729, AA307661, AA593381, AA669412, BE061899, BE154390, AA947031, AA826146, AA584914, BF763241, BF882363, AA630813, BF982391, AI380547, N62150, AA583368, AW872342, BF957961, BE384186, BF218444, AI133602, BE792178, BF871286, AU120741, BF869076, AA631405, AW845678, AW845664, AA632760, BF207674, AA715194, AL119962, AA076475, AA418822, BF773043, AA534739, AV732690, AA434462, AV730296, BF763870, BF962070, H02956, AA243106, BE304382, AA779025, T47541, BF997714, AA489803, AV749263, AA180023, AW023095, AA833581, BG009679, AW276742, AA703315, BF929662, AV742189, AA593077, H92806, BE141836, BE790104, AA505043, BF001825,

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HRDDS22	2011	702017	1 - 934	15 - 948	<p>AF034176, W72199, AI808083, AA187630, AV695002, AA632023, AW859847, AV691460, AL535709, AW044645, BF924223, AW859826, W72477, AA135516, AI678114, AA837470, AA046437, AA186762, BE736745, AA740274, AW877160, AW798072, AI814313, BE675222, AI092946, AI079802, AW503275, AA993305, BG058509, AW576349, N44640, AW859792, AA564840, AA557149, AV694874, AI016247, AA644672, AV724433, AW009885, AA495787, AA135517, AV709260, N33069, AA186896, BE070377, AA860920, AI684719, AW674738, AV725751, AW821815, AA035212, R55053, AI091106, AI557625, AA495722, AW877156, H05713, AA969843, N20821, AI360968, AI276598, AA767501, BE350044, AA350742, N24078, AI804181, T79645, AA493997, AW631152, AI274970, BE773883, BF243163, AI141120, W95628, W73186, BE811797, AI799147, AI888598, BE773707, BE773698, BE773758, BE773944, AA219076, BE773701, BE773913, BE811856, BE773744, BE773942, BE773925, W69401,</p>

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HRDEJ86	2012	695755	1 - 830	15 - 844	<p>AW963646, BG178356, BE888885, AI809104, BE562906, AU145321, AA176819, BF685535, AA576735, AA001182, AA046415, AA018817, AA057447, AA046899, N23371, AA001453, BE208812, AA121773, BE208816, BE179902, F34737, H85816, AA121772, AA001126, AW276968, AI888597, AA524923, AI061107, AI565577, AW302351, BF806322, AI292278, AW089384, H80806, AA001487, AA302665, AA653931, AA017232, AW959479, BG223389, AA001077, H85353, F27260, H80807, AA524939, AA018818, AA663279, AA999825, AW511754, AA514937, H30569, AW959477, F37099, AW021105, BF725100, AI440430, AA601376, AA595661, AA372899,</p>

					AI254267, AI174703, AA640305, AA524604, AV712092, AW419201, AA493464, AA557945, AV740548, BF530611, AV683406, AA425283, N27362, AI224583, AW839858, AA765899, AA493546, AA535558, AI572680, BE247422, AI344906, BF970107, AI547110, AW963489, AA601503, R63460, AI521525, BE148723, AW975434, AW962268, AW501278, AW409626, AI753131, AW057760, AI926102, AA493245, AI433952, AU120423, BE967607, AA663579, AI300608, BE139230, AA526542, AW813775, BE155250, BE244308, AI732327, BF874465, AW631267, BF747303, AW020150, BE244722, AV762541, AW973259, AF126947, AA320356, AW023390, BF814446, AA505108, AA631915, AV764119, AA171400, BE048305, AW793601, BE974200, AA584360, AW022376, AA313025, BE245594, AA642809, BF852885, AI809815, AW238242, AW148964, AW409621, AA639040, AA486568, AI633140, AW841944, AA601333, BE160910, AI434103, AA218684, BE154704, AI755227, AW338376, AW028376, AW575808, AA558488, AI708108, BF944618, M77888, AI890297, AA582080, AV758849, AV651424, BF798222, AA676462, BE792392, AA056619, AK024103, AL365509, AC005632, AC005755, AC008521, AL034423, AP002026, AC005339, AC007093, AF075069, AC011480, AL159168, AC002120, AL031283, AF111168, AC004991, AC009086, AP000563, AL117334, AL079342, Z82190, AC010422, AC003007, AP001711, AP000211, AP000133, AC008044, AC022407, AL109809, AL157789, AL162615, AC005037, AC002306, AJ003147, AC005971, AC005224, AC003065, AF317635, AF148460, AC005527, AC005033, AC005839, AC006026, Z83844, AL136170, AC009516, AC011475, AC005529, L44140, AC011465, AL158830, K00061, AC020916, Z98048, AC003681, AL031427, AC003043, AC003088, AL121655, AL118502, AL358777, AC020728, AC005876, AL137222, AC018642, AC006064, AC005696, AC022148, AC007055, AL161936, AL121886, AL031058, AB032485, AC006515, AC008760, AL117335, AB018315, AC004692, AC002991, AL121653, AL050349, AL445490, AC004765, AL122001, AL445263, AC009362, I38891, AC006199, AL049872, AC008738, AC002357, AC004895, AC005921, AC005829, U07561, AL121712, X69907, AC003684, AL158040, AL357507, AL356747, AL031670, AC004777, AC005484, AC009330, AC008929, Z84466, AF187320, AC002395, AL022238, AP000553,
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					AC006543, AC004797, AC002097, AC018645, AL031666, AC004033, AL034402, AC008443, AC008102, AL109797, AC003973, AC005589, AC009001, Z94056, AL445483, AC022402, AC011442, AC007098, Z84474, AL049780, AL445493, AC017093, AC004099, AC005236, AF072711, AL133551, AJ009616, AC004216, AP001751, AL133163, AC008551, AC008474, AB000931, AC007272, AC018663, AC005722, AC000075, AC018751, AC005215, AC006162, AC011495, AC006452, Z93017, AC009002, AC020552, AC006974, AC021752, AL139295, AL022145, AC004233, AL162263, AC000029, AC005618, AP001748, AP000311, AL117381, AC004057, AC004075, AP001760, AP000966, AL034405, Z80232, AF107885, AL035079, AC018511, AC002350, AC007298, AL096814, AC006312, AC000115, AK022004, AC008816, AC006544, AF196779, AC006511, U66062, AL022726, AL096701, AL109804, AC004183, AC007421, AC004073, AC009506, AC004605, AC006039, AC011594, AC007731, Z99916, AF186190, AL353748, AL049597, AB017653, AC005049, AC005500, AC009542, AL136418, AC003689, AL049557, AC004553, AL008710, AL355497, AP000193, AC006142, Z83838, AC005666, AL136362, AC007358, Z97632, AL096840, AC027644, AC007066, AB023048, AP001630, AL138733, AC020947, AC010489, AF088219, AL031255, AL022311, AP001725, AP001046, AL049764, AC010685, AP000117, AL135927, AC007227, AC004893, AC023105, AL049757, AC002546, AC008155, AL133215, AC009365, AX039602, AL137800, AC009399, U50871, AC026271, and AC026271.
HRDEQ34	2013	825181	1 - 594	15 - 608	AW895535.
HRDFE30	2014	750872	1 - 1581	15 - 1595	BE740654, AL524750, AI819783, BE889956, AW264290, AI479110, BF792776, BF307289, AW514956, AW967273, AI820015, AL524749, AW368510, AA191749, AW316901, AI808941, AI384030, BF038951, BG107895, AW170109, BE163534, BE163526, AA938656, AW139895, BE044338, AW853618, AI808513, BF055143, AI904239, AA130423, AW368582, AW578474, AW853616, AW361238, AW241869, BE764126, AI375586, AA460568, AA587776, AI942424, BF229833, N91638, W89166, W90016, BE315494, AI239753, AI026637, AI193740, AA648739, W65456, AW967272, AI334072, AI346146, AA133739, AA130422, AI688742, R51340, AA993110, W89165, F18986, AA765794, W88489, AI581628, AW175609, W65457, AI349396, M79034, AA621360, N68745,

					W17226, AA461493, BF927996, AA483300, T34585, AA448263, N68670, M79033, T57819, R94122, BE747817, AW753267, AI749665, BF762753, N89729, AW405243, AW472988, R23586, AA031751, T30415, AA748028, BF569130, BF761084, AW753233, BF761384, BF770029, T50079, AA626002, R32658, BE087593, T49242, AA032251, BE645772, AA777344, T82378, BF747782, AI419679, AA767045, AA133738, C00547, BF025830, AX048095, AK000609, AL121673, and AL117379.
HRDFT83	2015	606799	1 - 939	15 - 953	AA702946, AI660840, AA553608, BE349908, R01073, AW976010, AL038705, AW965008, AV710705, AF074667, BF680639, R00774, AW970915, AW510513, AL045053, AL135377, AL120008, AU156861, AI445582, AV764241, AI499134, AA587256, AV759505, AW953071, AV725627, AW769399, AA577906, AI289067, BF677892, N48230, AA610491, AW238278, BF668217, AA490183, AA287618, F28204, AA846876, AI471543, AV760937, AV704536, AI284640, AA610493, AI685198, AU158906, AA525190, AA581903, AI133164, AA837740, AI972203, AW069769, AA525824, AV733139, AI963720, AU140493, AA523815, AI374809, AA722198, AV763354, AW008212, AV759873, BG249643, AA522942, AI334443, AW969629, AV763540, AF330238, BF792870, AV710066, AI270117, AW974109, AA483223, AV728425, AW872676, AA623002, BG109162, AW500125, AV760777, AA470969, AI754955, BF942454, AV752689, AW833862, AI431303, BG236735, AV759172, AV762098, AW504168, AW102955, AW473163, AL136304, AL050312, AC008745, AL161670, Z84469, AL121601, AC027319, AC009228, AL049709, AC004971, AC005412, AC010789, AC005899, AL109965, AL022316, AC006312, AL121751, AC008569, AC007227, AL121903, AC005747, AL109935, AC005695, AL158830, AC006026, AL096701, AC002400, AC002347, AP000512, AF168787, AC007404, AC005180, AL135744, AC008747, AC005839, AC020898, AL163279, AC005940, AC005914, AL122001, AC006329, AL022323, AL035587, AL031597, AJ277546, AL031666, AC008474, AC003007, AC007845, AL354720, AL135927, Y18000, AC009314, AF053356, AC005089, AC008736, AC005295, AP001725, AL022322, AC005694, AC004867, AF317635, AC011811, AC005808, AC008543, AC002312, AP000692, AC002059, AC000379, AL117382, AC004878, AC020947, AC005913, D87675, AC005231, AC007666, AF129756,

				<p>AC016025, AC004019, AF111169, AL049872, AC009470, AC020904, AC011442, L78833, AC006241, AP000555, AC068799, AJ010770, AP000552, AL022311, AL157838, AF109907, U85195, AC011510, AC004477, AP001753, AC008267, AC004824, AL121845, AP001718, AL022163, AP001346, AC005288, AC008760, AC002395, AC004859, AC010271, AL159977, U80017, AC004876, AL023807, AC009311, AC006120, AL136137, AC007782, AE000658, AC006001, AC009331, AC004890, AC020934, AC011489, AC007193, AL034420, AL445248, AF064861, AP000952, AC002470, AL121653, AC008265, AL034372, U47924, AC005261, AP001717, U91321, AC006480, AC011497, AC010150, AL035420, AC004841, AC000025, AC016027, AC022517, AL117377, AC009032, AL034405, AC025435, AP001748, AL136418, AL163249, AC007685, AD000092, AC005911, AC020954, AC006511, AC004887, AC007057, AC011464, AC008537, AC002310, AC005696, AF001549, AL049643, U95740, AC005527, AC005730, AC008753, AC005102, AC016830, AL136223, AJ003147, AL117336, AL136000, AP001727, U91322, AL023575, AC007688, AL080243, AC020917, AL049830, AC010223, AL050343, AC010328, AL157372, AP001670, AP001666, AC011445, AC005332, AL391114, AC005071, AL096791, AC003083, AP001710, U63721, AC005399, AL049712, AC007957, Z97054, AC083871, AL157827, AL137853, AL049569, AL157938, AL035659, AL034423, AP001712, AC005740, AC011742, AL049795, AL121905, AC007956, U52112, AC011526, AF165926, AC005902, AC007226, AC004967, AC007066, AC006111, AC004383, AP001752, AL138741, AC006013, AC005522, AL121900, AF205588, AC007731, AL035071, AC004263, AF190465, AC005488, AC005632, Z86090, AC024082, AC005500, AP000501, AC006057, AC005620, AC000159, AC004826, AC027689, AL445669, AL356575, AC002115, Z81364, AL117381, AC004089, AC004821, AC010326, AC008687, AC073219, AC023864, AC023864, AC022795, AC068289, AC025975, AC027095, AC053473, AC011036, AC034137, AC068682, AC026556, AC024475, AC073446, AC073446, AC023309, AC008470, AC027584, AC027584, AC009097, AC009899, AC026013, AC031987, AC012110, AC012110, AC055788, AC027264, AC019092, AC019092, AL365209, AC021401, AC024127, AC024127, AP002813, and</p>
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HRGCA01	2016	589970	1 - 1306	15 - 1320	AP002813. AU146570, AI354333, T74524, BF804385, BG222813, AA601674, AU120531, BF737356, AA683069, AI275982, AA564582, AI090334, AK001118, Z97054, Z98742, AL136979, AL117354, AL159977, AL158040, AC006160, AL121658, AC005522, Z93023, AC020904, AC005288, AL008582, AF001549, AF050154, AP000692, AC007686, AC008403, AP001725, AP001711, AC007055, AJ400877, AJ246003, AL050318, AF053356, AP001718, AC005236, AC006330, AL031727, AC008044, AC004253, AC002369, AL109797, AC002312, U91323, AC007225, AC004967, AC005377, AL359457, AC004089, AL353807, AC027644, AC004382, AC008745, Z84466, AC020908, AL139286, AC006270, AC005520, AC005015, AC005740, AL139353, AC008738, AC010605, AL138878, AP000553, AL034549, AC011895, AL137162, AL136137, AC007283, AC024075, AC010463, AC002565, AC002563, AL031685, AL121586, AL133163, AC005399, Z95115, U95742, AC012467, AL031848, AL050335, AC020552, AC024082, AC005089, AC006141, AC004832, AC005086, AC003101, AC020913, AC008551, AL049843, AC004531, AC006241, AC011449, AC005527, AC004851, AL121652, AF109907, AC004859, AC005914, AC002472, AL137073, AC007216, AC006101, AJ251973, AF134726, AL117377, AL135839, AC004840, AC000379, AC004812, AL354696, AC021016, AC006994, AL162430, AC005730, AC007664, AL158830, AC010618, AL138756, AP001752, AL020995, AL021939, AL078581, AC009060, Z86090, AC019227, AL031591, U07563, AC002985, AL138725, AJ277546, AC005756, AC005971, AC008474, Z98044, AC004890, AL391684, AC018720, AC024561, AC004906, AC020898, AC004922, AF168787, AC003684, AL157877, Z84469, AC011510, AC004685, AC006441, AL031985, AC008521, AC009247, AL031846, AC004000, AL365505, AC020754, U91322, AP000311, AP000501, AC007773, AC020663, AC005859, AL096791, AC034242, AC007011, AC002477, AC006050, AC005231, AF047825, AC004985, Z93930, AL138743, AC011465, L78810, AC011529, AL135744, AL162584, AL049776, AL031311, AL050349, AC005778, AC011450, AL132777, AC008392, AL021155, AC021999, AF111167, AL109798, AP001726, AC004491, AC005280, Z98941, AC007878, AC002119, AL049757, AP001721, AC005088, AC010458, AL133153, AC005225, AC027319, AC004797,
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					AC004826, AL132639, AC002558, AL117336, AC011480, AC007679, AC002350, AC002300, AC005924, AC003010, AC006329, AL135978, AC008101, AC007637, AL031662, and AC004865.
HRGCA06	2017	866189	1 - 603	15 - 617	AL524616, AL528112, AL529957, BE906467, BE254869, BF305998, BE547623, AL524304, BE735269, BG256136, AW969159, AW958040, BE295543, BF036782, BE279204, BE280572, BE560806, AA305994, AW167722, BE890254, BE739714, BE738933, AW007356, AA476892, AW027127, AI824120, AA454648, AA452894, AW327910, AI298323, AI291448, AA410232, AA456261, AI097459, AI744633, AA557370, BE559628, AI262770, AA427423, AI080653, BF698372, AI565515, AA927500, BF382283, AA993730, AA253110, AA255668, AA729412, AA436327, AA577203, BE267756, AA757135, BG249869, AA625144, AA887401, AA253054, BF573571, AA315714, AW733053, T51233, AI383224, AA182790, AA521326, BE259938, AA303813, AA721094, AA769231, AA187782, AI653569, AI591350, AA815100, AA521408, AI887494, AI934694, AI251857, AA721013, BF687699, T51347, AA804324, AI567862, BE892567, BE813395, AA453063, AI214637, BE897194, BE695254, BE711434, AA470459, AA583285, BE927495, BE695320, BE695294, AA581180, AF151890, AK025715, AL136532, AC010102, AC068557, AC068557, AC068557, AC016394, and AC016394.
HRGSE38	2018	898233	1 - 522	15 - 536	BF973051, BG036978, BF971699, AI813831, BE395342, BF237544, BF237818, AA927369, BE786397, BF683480, AA147836, AW327927, BE256127, AA779833, BE392981, BF973936, AI038560, AI720024, AI340193, W86492, AI217899, AI457563, AA722532, AI720741, AI095384, AV702271, AA252800, AI452498, BE279835, AA315596, AA146630, W74685, AI360383, AI470090, AA494403, BE895081, F25095, BG026493, AI146343, AA603343, AI086888, BE268236, AA934037, BF684523, W74782, AA448874, AW160924, AA180220, AL531481, F28006, BF431779, F34141, AA937123, W45522, AI741309, F33054, AA886650, AA865938, AA194367, AA180122, F30644, F27508, AA143638, AA772707, AW020669, AA194452, F31569, F19516, AA147873, W45535, F27449, AA304732, H46362, BF107554, T69273, AA443703, AA557135, AA305575, F35403, F26198, AW194204, AW162531, AA809527, AI251897, AW769872, AW080150, BF054691, AW517403, AA380255, AA844460, F29747,

					F31121, AI262197, F32839, T69348, F26864, AI378303, AW249985, AW003638, AW593581, AI052193, W88576, BF361119, AU144804, AI690884, AU145608, AI804750, AU159188, AW029434, AW152636, C05832, AW268818, BF876145, AW886732, BG054746, AA478533, F31803, AW008701, AU144372, AW027129, BF800748, AA594858, AI521025, BF800634, AA669752, AI090031, BF800632, BE857063, H49652, AA921303, AA035300, AA157491, R92193, AI758971, BE868436, BE814630, BF800763, H01608, BE814628, BE392685, BF800641, BF307358, BF568722, BE740691, AA431916, AA912038, BF807053, BE298007, F26227, F33512, R88607, AU117578, AL534023, BF683473, AW954001, BE264003, AL534024, AA365295, BF975570, BF663926, AI474046, BF803074, AA323119, AA478532, BE258824, BF967781, BE263408, BE747272, AA365906, BE779854, AW582126, BE883871, AW797196, BF092619, AA635078, BE779716, AW674152, BF432353, BE791051, BE778582, BE888979, AW247391, BE543952, D12180, BF894721, BE296783, BG010220, AA443957, AA626141, BF958137, AW772676, T60954, BE814524, BF753083, AU076545, N88946, T24584, AW248481, AA135574, AA833682, W86637, AA135512, BG253975, BE746883, AR070538, AL050386, AK000934, AB029042, AF143723, AF114168, AL137548, and AL353622.
HRLAT43	2019	795038	1 - 437	15 - 451	AL036330, BF879678, BE891913, T47587, AA524883, BF927634, AV758348, AL139810, AC004553, AC005062, AL050349, AC011504, AB026898, AC002476, AP000499, AC002430, AC007384, AL109963, AC009305, AF003627, AL358372, AL133217, AC002504, AL161892, Z98256, AC008760, AP002027, AL138783, AC022163, AL390039, AL139123, AL136985, AL139232, AC019172, AC025765, AC013410, AC005014, AL139093, AL133412, AC003695, AC004874, AP001960, AC022363, AC004626, AL356454, AC007556, AC020939, AL035091, AL135785, AC005737, AC007077, AL109623, AC003085, AL163213, AC006368, Z98742, AL133500, AL034375, AL136298, AL121575, AC002527, AF015720, AL078582, AC007129, AL022165, AC005497, AL078639, AJ229041, AC005939, and AL109753.
HRLME03	2020	610614	1 - 258	15 - 272	AL139113.
HROAN20	2021	732148	1 - 1332	15 - 1346	AA554736, AC068086, AC068086, AC012443, and AC012443.
HROAP64	2022	835467	1 - 624	15 - 638	AW949645, AV724520, AW975618, AV718489, AW978634, AW966531, AV718692, D58283, AV699550, D81030,

					AW975621, AV718844, AV723927, AW959628, D80022, D59619, D80210, D80240, AV719783, AV720464, AV720211, D80195, AW966053, D80391, AV719822, D80219, AV720203, D51423, D80043, D80212, D51799, AV719324, D80253, AV718800, D80227, AW966062, D80196, AV718770, AW959570, D80193, AV720731, AW949642, AV699447, AV722801, AW949641, AW949632, AV699927, D80188, D59927, AW949656, AW949643, D80038, C14429, D59275, AV721386, AV719468, AV719188, AW965158, AW949629, AV719557, AW949657, AW960553, AW973447, D80366, D80166, AW949631, AV720812, D59889, AV723097, AW949653, AW949646, AW949658, AW973307, AW949633, AV700889, F13647, C75259, D80045, AV720028, AV742001, C15076, D50995, T03269, AW959582, D80378, AW966534, D59859, AV718440, AW966054, D80269, C14014, AW965177, AV742667, AV701125, AV701335, AV701166, AV701043, AV701332, AV701017, AV701248, AV701431, AV700229, AW949618, D80168, AW966013, D81026, AV699479, AW964468, D59502, AV701419, AV701154, D80134, AV719628, AV645389, AV720654, AV681510, AV681491, AV645344, AW966041, AW959202, AV699746, AV645343, AV699669, AV701443, AW959597, AW949654, AW964737, AW966050, AW973541, AV720791, D80164, AV701130, AV701149, AW978661, AV701422, AW949655, AW966043, D50979, C14331, AW975605, D80024, D80268, AV701428, AW752082, D80949, D57483, D51250, AW960414, D59467, AV701415, AV701344, D59787, AV719000, AW973470, AV681529, AV745080, AV719049, AW960465, AW964488, AV701021, AW973485, AV681468, AV718633, AV721784, AV720220, AV742048, AV719913, AW965176, AV718931, C14227, AV700622, D58253, AV741220, D59610, AW964532, AW965197, AW959799, AW959469, AV699682, AV742430, AW978648, AV738340, AW965185, AW966022, AV645383, AV645393, AV681528, AV681474, AV645339, D81111, AV681472, AV681507, AV681465, AV681525, AV681495, AV681505, AV681504, AV681486, AV681464, AV681487, AV681506, AV681523, AW973334, D80241, AW965163, AV743601, AW964756, AW966029, AW966389, AV741189, AV701224, AV718530, AV701330, AV718707, C14389, AV718938, AW958992, AV720607, AV681514, AV681477,
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HROAS35	2023	827304	1 - 909	15 - 923	<p>AV702794, AV708704, AL048390, AV703501, AV703494, BE895614, AL525022, AL045499, AI557258, AL538129, AV702318, AV705637, AA172073, BE876496, AA572829, AA723026, AV653962, AA593688, AV713558, AV713159, AV704814, AA548245, AA581699, AV716470, BE877813, AV703819, AI133013, AA595314, AI285534, AA579760, AA101163, AA643294, AI147501, AA575830, AA548842, AA195996, AV660440, AA548197, AV706307, AA161487, AA526496, AI254237, AI114699, AA180754, BE877767, AA514972, AA583348, AA640938, AV658766, BE878121, AA180749, AV721152, AA551039, AV726177, AI565971, AV728391, BE877322, AA643267, AV727881,</p>

					AA129400, AV717612, BE880735, BE877173, AV711027, AA574324, AA490067, AA526831, AA652417, AI114569, AI133672, AL038791, AI566162, AI174754, AV703762, BE881359, AA578591, AV703858, AA582799, AV727396, AV710539, AV706748, AI174902, AI114553, AA489339, AV703638, AV708807, AV725294, AI204061, AA526985, AA738012, BE875419, AI280900, AV716989, AA639334, AV704468, AV654044, AV701584, AA420754, AA157713, AV655941, AA563780, AW081665, AA631499, AA113852, AA583266, AV727337, AI609232, BE880648, AL048346, AV706060, AI924816, AV724990, AA554729, AA156029, AA635321, AV705790, AA737196, AI582370, AI247188, AA194621, AA635966, AA565769, AA196384, AA196392, AV725311, AA180287, AA599168, AA635939, AA548398, BE880157, AA586605, AA614505, AW029484, AA178939, BE880425, BE890567, AA581810, AA505308, AI285364, AA593715, AI863904, AI174851, AA468945, AA576122, AV716025, BE873842, AA194297, BE880881, AV706023, AV716218, AA582965, AI749163, AV656283, AI273429, BE875905, AI814650, AA593712, AI262689, AI568985, AA594970, AA523120, AW170572, AA196541, AI111183, AL048325, AI819117, AI279442, BE878079, BE892902, AI357608, AA598446, BE875253, AI133286, AV729432, AI831212, AW188517, AI133302, AI719037, AV728492, AV729229, AV701468, AV701396, AV717787, AI830045, BE544698, AV712494, AV703758, AA575833, AV702695, AV755520, AV716388, AI816993, AV707520, AV703243, AI766340, AV715862, AV733902, AA174081, AV716396, AI133486, AL037681, BE879304, AV717046, AW027357, AV757061, AV757599, AV711343, BE881076, AW027020, AA555226, AV701133, AV723178, AV723041, AV716281, AV743794, AV713805, AI880363, AV705912, AV709305, AA826840, BE898002, AV710239, AA513495, AA605240, AA136140, AW130194, AA610666, AV727892, AV737163, AV723963, AA586675, AV752193, AA715811, AV654415, AV744199, AA648603, BE874846, AA541807, AV719453, AI720074, AA554861, AL036838, AA724902, AV715160, AV763516, AI922889, AV661912, AA631709, AV712308, BE877234, AR083056, I27367, L08441, X62996, AX039612, V00662, X93334, X54629, D38112, X84075, Y10129, D38116, X93335, D38113, D38114, X93347, AF004341, AL359334, Z79403, Z79419,
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					Z79459, AF134583, AJ252237, I07623, and U35430.
HROAY16	2024	827305	1 - 1943	15 - 1957	
HROBJ10	2025	836368	1 - 1856	15 - 1870	BE856787, AI694966, AA128046, AA770598, AW873980, AI937418, AI291859, AW051606, AA121289, AA121351, W00683, AA045398, BF437875, AI291638, AA121460, AW959500, AA121303, AW002283, AI291864, AA128005, AI961859, AI696330, AI370237, AA362775, BE670727, BE503005, AA045082, M85370, C01114, AW084694, W80423, N69016, W80551, AI473514, BF948027, AW188647, AA343822, AI468939, BF342651, BG031464, AW272567, BF969642, BF341277, BF530723, AW591885, BF527148, BF793732, AI497736, BE884585, AI270298, AL079657, AL135561, BF338590, BE328409, AW630466, BE049268, BE879696, AW630094, AI049736, BF448460, BE780774, AI568881, AW081940, BE887774, AI792230, BF345080, BF337710, AW630206, AI241840, Z93242, AF136587, and X76652.
HROBW46	2026	801952	1 - 1143	15 - 1157	AI888879, BF129846, AL109956, AC027690, AC027690, AL109956, and AL109956.
HRODG86	2027	834320	1 - 1070	15 - 1084	AW292678, and AC011657.
HRSAL26	2028	637654	1 - 161	15 - 175	AI282079, AW296105, AA507421, AC007556, AC007556, AC062019, and AC007737.
HRTAE88	2029	822964	1 - 2831	15 - 2845	AA372423, AW005840, AW248177, BF743200, AW962016, AA323982, AW935131, AW934795, D20856, BF927236, BF927355, AL158157, AL353810, U52077, AL031782, Z95124, AL022098, AC026881, AL096821, AC069277, AC024154, AC026179, AL139277, AC003081, AL356794, AC006249, AL132719, AL078594, AP001603, AP001698, AF205406, AF314060, AF104257, AF126403, AC011445, AJ009227, AJ009228, AJ009240, AJ009238, U80776, AF054989, AJ009232, AJ009231, AJ009239, AL445465, AC008638, AL353810, AC016003, and AL158157.
HRTAP63	2030	780698	1 - 2562	15 - 2576	AL530903, BF980210, AV713636, AV714538, BF795697, BG165908, BG034785, AW954212, AA476834, AA454040, BE787658, W87846, W95796, AV723163, AA210879, BG121323, AI140750, AA394298, BE544064, BF110177, BG260733, AW957532, AW835225, AV715167, AW043868, W95753, BE675523, AI830085, AV684273, BF669098, AW575257, AI719282, AW402599, AA594596, BF030937, AV751996, AA151651, BF439829, AI972457, AA203350, AW835231, AV698320, AW835223, BF195333, BF245739, AI458367, BF217997, AW103450, AV646999, AA443779, AI804705, AA779750, AA609993, AV646707, AI161426, AA883267, AV761220, AW105020, AI859827, N21490, AA769659, AI961457, AI963269, AV748401, AV702852,

					AA454948, BF477944, BE378300, BF507584, AA398140, AA829928, AA723665, AA152423, AI066682, C05924, AI342144, AI818909, AI949342, AW173168, H95180, AI150177, AI744274, AI373130, AI936317, BF131934, AW935736, AI373127, BF184877, AW848815, AI168246, AW630390, AA703773, AI809600, AI858227, AI620702, BF211545, AA453622, AW511827, BE550555, BF352641, AI811412, BF216016, AI149376, BF028661, AA777078, AA988774, AA825373, AA745603, AA447847, AI634257, AI148253, BE568959, AW474847, H50762, AW340117, AI148595, AA152318, AA455325, H18773, AA446817, AI983483, N70494, AI950667, AI367305, AA447696, AA165032, BF349702, AA595127, W37577, AI865137, W60533, H27027, AI088311, AA781728, BE244882, AA411860, AI380799, BF130302, AI927370, AA150348, AW876985, R96314, AV726405, AA729374, W32295, AA448492, AI453093, AW769995, W04863, AI263830, AA083837, AA133757, AV734814, H24217, BE564563, N99875, N77905, AA679441, AI352336, AI188487, AI432136, AA033645, AI266690, AI433965, AA877077, AA055324, W44808, H49413, AA411995, AA833544, AI300087, BE972332, AV682350, AA992809, AA814064, AA741027, AV702746, W32538, AA683291, AA621431, AA902136, AA214623, AV647110, AA663647, AA494354, BE245415, AW151578, AW150662, W60562, AA705000, AI950580, N27003, AA345942, H85708, AA133758, AI627657, AA224004, W37452, T80362, AA452695, AI146286, H49227, AW074691, BG142207, H47030, F25806, H85509, BE244420, C17218, H24204, AA480190, AV651579, AI272131, T80478, AI381311, W87586, W37696, H18682, H24218, AV647065, N29206, N28458, AW468405, BF081529, W44802, AA927134, AW821055, BF854323, AA083939, F35729, AA682763, R31829, AA148436, AA125918, H95144, BE246322, W44717, AW194993, AA729762, H50669, AA343940, BE244987, AA115539, R26021, N35260, H46491, AI902181, AI149536, R37220, AA325890, AF151885, AK025730, AF135161, AC007298, AF172940, AC022149, A74872, R26823, R38842, H88357, H88417, H88357, N40125, W05840, W25309, W32702, AA027857, AA027923, AA034476, AA115050, and AA151732.
HRTAR24	2031	601378	1 - 452	15 - 466	AA372942, and AC010768.
HSAAN03	2032	599334	1 - 1122	15 - 1136	AA373484, AW021917, AL135377, AW969667, AA714011, AA526326, AW970896, AW973757, AW243793, AA224889, AA569471, AC026431, AC010267, AL022311, AL121585,

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HSAAS05	2033	703244	1 - 1486	15 - 1500	AI973088, AA662405, BG176754, AW821026, AA514547, T86264, AA373766, T86157, AW882958, AA978230, AA877061, AC010092, AC010092, AC010092, and AC010092.
HSAAW13	2034	821334	1 - 2370	15 - 2384	AW964200, AW964202, BF971240, AV652431, BE777798, AV726996, BG252275, BE893830, BG109604, BE568219, BE788721, BG260966, BF185719, AW663976, BG260885, BE884097, AI670875,

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HSABA15	2035	827064	1 - 933	15 - 947	AW515586, AA374216, AL078590, AL078590, and AL078590.
HSABG81	2036	753408	1 - 2173	15 - 2187	BG168301, BE544143, AI802060, BF216057, AI805751, BF032050, AA088790, AI148506, AI419057, AI199104, BF476104, AA682583, AA811223, AA278746, AI628824, AI336921, AI352130, BF131723, AI637749, AI049886, AI200698, BG104860, BF330472, BF330468, AI623859, BF330473, AA278879, BF330465, AW243799, AV707760, BF330470, AA431303, H16912, AA279813, BE644696, AI350502, BF223688, BF330479, BE858889, AI240460, AW977647, BF330478, T85376, AA279709, BF770441, T85474, AW015845, H16802, BF330480, AA374574, BF851090, AA847160, BF196806, AR083279, AC024631, AC024631, AC024631, AC017098, AC017098, and AC017098.

HSATA50	2037	562007	1 - 923	15 - 937	AC007790, AC007790, and AC007790.
HSATA61	2038	801927	1 - 405	15 - 419	AI653084, AI653066, AI218850, AI017161, AI767676, AI828024, AI051130, AI125860, BE858111, AI655302, AI885860, AI810885, AW444593, AI220316, AA670415, BE910288, W15293, AA953870, AA844468, AI673127, AA622314, BE906132, AI760957, BF182711, AA448643, AI205498, AA700496, N45044, BE903777, W23718, BE261354, AI628108, BE279986, BF033739, AA897782, H18776, AI817746, N46322, AF088006, AC008743, and AC008743.
HSATG66	2039	824903	1 - 4035	15 - 4049	BE748853, BE739497, AV717079, AW966911, BG031304, BF970551, BG257314, BG260738, BF035418, AW967532, BG170769, AV725834, BE882544, BG114010, AW967997, AV725306, AW961735, BE889840, BF917737, BG249444, BG169707, AV707782, BG165273, BF671676, BE888888, BG036845, BF245437, BE748262, AW193689, BG256230, AV658432, AW963689, AI890564, BF575329, BF512200, AV703114, BE885637, AV725214, BF574322, BG169220, BF207749, AW022949, BE567009, BG248901, AV725506, BF701206, BF790641, BF694123, BG169109, BG169797, N31913, BF382782, AW364771, AI768379, AW188047, BF575422, BE870264, BE566229, AA058763, BE894717, AW009567, AI127301, BG178051, BF132983, BG253653, AW959283, AW058616, AA044759, W61027, AA534631, AV715014, AI446741, BF673008, BF940136, AV755669, AI700955, AW474442, AA131516, BE739232, AW298345, AI675443, AW235538, AI089245, AW842648, BF790715, AW298784, BF109734, AI087348, N24245, BF215091, N20943, BF208572, N24739, BF029055, AW152450, AI088458, AA946818, AA009580, AI708128, AI335731, AI373559, AA405782, AI494155, AA551214, AI284451, AW501069, AI373932, AW079066, AI095814, AI863012, AA024880, AW474110, AI735417, BE568176, N27812, AI680232, BF693989, AA043706, W19517, AA912150, AW503575, AI335719, AA975391, BE221248, BE350574, AW192691, H97905, AI831608, AW131326, AW511021, BF239123, AI474108, BF476664, BF132643, AA121932, AI978647, AI038337, AI444995, AA564419, AA829529, AI219954, BF445250, AI494091, N90798, AI049953, BF665239, AI953541, AI374656, AW090269, AA969206, AI668792, AW058462, AW337966, AA043707, AI625592, AI589388, W42585, AI269869, AW661836, R71361, AW080027, AA236045, N20065, AI800738, BF575019, AI049664, AA056622, AA027016, BF477608, AA405717, AA181911,

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HSATI91	2040	838829	1 - 1363	15 - 1377	BE045425, W15407, H13541, AW294075, AI089976, AA447219, AI521807, H97665, AI568150, AW952300, AA468043, AI373421, AW003998, AW237749, AI656588, AW206741, AI350171, R66726, AA774415, AI445397, BE552212, AW590674, AW052133, AI652452, BF115119, AW188530, AI817193, AI670868, AA461538, AW968126, AV714521, AL523880, BE614460, AI925103, AI861967, AI765452, R80251, R67606, AI758865, AA708099, AI275658, BF093497, BF377943, N80931, AA836286, AA327413, C01108, AL526567, BF377920, AI928033, AI824281, AI208587, AI468465, AC007899, AF167460, AF167459, AC007899, AC007899, and AC007899.
HSATR50	2041	826398	1 - 848	15 - 862	AI978701, AI377338, AA641763, AI262387, AA742187, AA588130, R77837, AL046942, AI358735, AW023693, AW105437, AW976490, AA700501, BF968271, AI697029, AI491813, AW136908, BF438365, AV760806, BF436500, AI354410, AI859557, AW000959, AW665205, AW168511, AW188855, BF212745, AA418926, AA761830, N32524, BF132283, AA227803, BG151205, BG151192, BE765306, BE765307, BE765334, BF665923, N42739, X93812, AC006389, AF182294, AC006389, and AC006389.
HSATT82	2042	566784	1 - 1061	15 - 1075	AL036070, AI355559, AA515351, AA715606, AA910139, AA701131, AI133102, AC005746, AL031311, AB020865, AC003029, AC006512, AP001711, AC005696,

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HSATW19	2043	637658	1 - 681	15 - 695	BF725884, AW103406, AI733856, AI755214, AA579179, AV756491, AI754567, AI754105, BE143603, AW467323, AL079734, AA535216, AW576251, AI732151, BE138594, AL038842, BE062478, AA524616, AW805539, AI821931, AL135377, AW976024, AW500029, AL046409, AV710482, AW958962, AW500684, AV760508, AA410788, BG180976, AI358712, BG059972, AV763550, BF868994, AW973992, AV761519, AW148507, AA714110, AW805547, AA515048, BE062476, BE501593, AW237905, AA847499, AV763540, BF974756, AI380617, BF526964, AI061313, AA659832, BF991881, AA578621, BE256101, BF854308, BF939548, AV758790, BF691714, AA513551, AV741663, AI620585, BF991882, AI887235,

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HSATW67	2044	604938	1 - 707	15 - 721	AA403053, BE149334, BE018348, AA984295, BF989874, R22182, BE079778, BF998916, BF762199, AI373771, AW117471, BF438136, AI494473, BE148405, AW851241, AI052296, AW298143, AA461571, AA668598, AW593099, AA291948, AA504487, AI050825, AI418815, AI571732, BE072243, BE072227, AI651550, AI743287, BE675366, AA457055, T03289, R86678, AI652561, AI952736, AI911509, AW292296, AA454942, AA922652, AA279213, AI951306, AW242797, AI140878, N91112, W60681, AA399584, T90231, N88411, H52747, AW852424, AW852386, AW852407, AW852402, AW852413, AW852412, AW852417, AW852440, AW852435, AI028364, AA330438, BF432341, AI949802, AA383116, N68468, AW859756, AW859854, AW862249, AW862248, AW271466, BE467234, AI359839, AI690255, AA176350, AA464867, T68642, AI017311, AF124523, AF146367, AK022218, AC008173, AP002026, Z98043, AL136520, AF003528, AC004225, AC016716, AL442167, AL163285, AL132668, AC006971, AC006511, AL157789, AL033524, AC008155, AC023051, AL008713, AF227510, AC008166, AL137072, AL031177, AC087085, AC010084, AL163248, AC006560, AC009244, AC016138, AL024458, Z69923, AC009952, AC005076, AL450305, AC010379, AP001604, AL355871, AL133372, AL355838, AC004614, Z95331, AP001699, AF070718, AL359715, AL031119, AL355815, AC002467, AF130343, AL031054, AC006052, AC005261, AL049767, AC083869, AL133224, AL109933, AC021107, AC066590, AC017089, AC004544, AF001905, AC004045,

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HSATZ02	2045	490895	1 - 1015	15 - 1029	AW246780, AA577706, AV759632, AA526625, AA602906, AA526326, AV758870, AW237905, AI433952, AA491941, AI245693, AW081485, AV760014, AA582778, AA662590, AA584484, AA622801, AV761107, AA747757, AI871966, F00564, AA679946, AA573067, AA302817, AI049999, AW976024, AI733856, AI921765, AA715277, AA502207, AA833896, T46960, AA833875, AW117740, AI569401, AC005263, AP001206, AC005696, AP001746, AP001621, AC005568, AC020906, AC018639, AP001731, AC008616, AC007052, AC005921, AL033529, AC005291, AC008569, AP000503, AL033397, AC008521, AF134726, AC003007, AP001622, AC006337, AC009116, AL031680, AL159168, AL121653, AL139289, U91326, AL139339, AL132713, AC007404, AL138752, AL096703, AP000356, AL031447, AF045555, AC009600, AC005578, AC005632, AC005901, AC004686, AC005562, AL031283, AC005081, AL137230, AD000092, AC007312, AL158040, AL049591, AL136137, AL353777, AC003966, AC005516, AC002558, AF038458, AF064861, AC004019, AL080243, AC004832, AC006312, AC022392, AL078638, AL121586, AC068919, AC005089, AL138807, AC006071, AL109825, AP001753, AL159997, AC005666, AP000020, AC011497, AL132653, AL117382, AL121928, AL136097, AL136418, AC005784, AC002544, AC004815, AC010463, AC016027, AC004752, AL133258, AF196779, AP000432, AL096767, AC005971, AL133545,

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HSAUA95	2046	604940	1 - 546	15 - 560	AV719865, BF966715, R70739, AI498401, R30807, R30791, AV725920, AC007619, AC007619, AC007619, and AC007619.
HSAUB89	2047	600369	1 - 1274	15 - 1288	BF857849, BE139139, AI250552, AI284543, BE138387, AI251284, AI251034, AI251203, AI254770, AI249853, AW303098, AV763026, AV763058, BE155951, BE042006, AV703785, AA904211, H73550, AA833896, AW856329, AA833875, AA609834, AW276678, AV762430, F35663, AI690497, AA773473, AV745803, AI366555, AV745750, AI247101, AV746152, AI936229, AW105346, BE968744, AW274349, AW576485, AV733907, BF447461, AW474921, AA452325, AL133548, AL138976, AL360227, AC006026, AC083866,

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HSAUI53	2048	866191	1 - 1478	15 - 1492	AW820787, BE071876, BE071877, AV700498, AA680243, AI732120, AW820795, AV700545, BG105817, AA714338, AV759798, AW131249, AV700988, AV734607, AW970915, AA836811, BE175610, BE779948,

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HSAUV74	2049	866193	1 - 885	15 - 899	AL109753, AL158830, AC011484, AL031681, AC006329, AC007458, AL109753, AL109753, and AL109753.
HSAUX39	2050	823161	1 - 1992	15 - 2006	BE160551, AI879243, AC016572, AK002206, AC016572, and AC016572.
HSAVA58	2051	866194	1 - 1228	15 - 1242	AC010186, AF165175, AP001671, AF195953, AC005157, AL022162, AL157789, AC006227, AC010186, and AC010186.
HSAVE52	2052	600370	1 - 1453	15 - 1467	BF694976, BF907608, AA810331, AV764259, AW237905, AV759632, AW819125, AW514006, AW779609, AV699173, AI491765, AA013168, BE147833, AV728856, BF724699, H63660, AA019973, AW023111, H61871, AW274078, BF843640, H40478, T49633, AI290405, AI791475, BF990660, AC004139, AL031431, AL391114, AC008805, AC008687, AP000121, AP000053, AP000168, AC022392, AL136170, AL078476, AC005283, AC008074, AC011490, AC005225, U96629, AC008155, AL031577, Z93023, AL049692, AP000346, AC002350, AF254983, AL121751, AC005900, AL049868, AL024498, AF053356, Z82215, AL163201, AC005881, AC005412, AC005486, AC005182, AC004824, AL354864, AC025593, AL161936, AP000322, AL109653, AP001753, AC007536, AC005839, AC002316, AL031667, AC005619, Z98044, AC008569, M37468, AF207550, AC055740, AL121897, AC004686, AC027319, AL109804, AC004991, AC006345, AC007404, AC005324, AC005049, AC005562, AC007387, AC068799, AL080249, AC006120, AL133244, AC021876, AC010412, AC017100, AL034420, AL031286, AC006501, AC007551, AC002395, AC009756, AF243527, AC022137, AC008688, AC005015, AL135787, AC006088, AP000557, AC006480, AL139289, AL445490, AC007371, AL121868, U91321, AC008764, AC023105, Z93015, AC008547, AC010422, U91327, AC004000, AC004900, AC008403, AC005755, AC020552, AC004840, AC005236, AL121928, AP001718, AL121890, AL022315, AC005901, U95740, AC009331, AC005011, AL035405, Z83844, AC004134, AC020916, AC025436, AL022320, AC005754, AL117334, AP000098, AP001727, AC002492, AC011811, AL355499, AC006449, Z95114, AC007383, AC010170, AC004089, D89013, AC006039, U62317, AC007384, AL031658, AL021578, AL109797, AC006948, AC016637, AC000085,

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HSAVH32	2053	603367	1 - 837	15 - 851	AA683069, AI733856, AV763026, AV763058, AL079734, AA773463, AI754653, BE560149, AW970588, AL036896, AI583466, AW069227, AI251576, AW575729, AW439703, AA828637, AW873261, AA833875, AA833896, T74524, AA019973, BE063437, AL042667, AL042670, AW970987, BF917346, AL042373, AV756491, BE138594, AI635440, AV762633, AI355246, BE178489, AA013168, BF528591, AW275432, AI282253, BF940118, AW813668, AL135363, AL119921, AI537020, BF805088, AL524675, BF763954, AW856329, AI376239, AW277000, AW277093, AI792575, BF725844, AI891080, AV761989, AA714011, AW970877, AI904840, AI755202, AI380617, AI066646, AW805539, AA533025, AV762430, AW969743, AV757289, AL041375, AV760391, AI254959, AI306232, AA455483, BF854308, BE062545, BE062211, AA601674, AV716708, AI754567, F23338, AV759632, AI962030, AA355367, AA493808, AW572721, AV764535, AA525253, AW274191, BE328573, AV755654, AV760389, BG029528, AW576251, AW272815, BF839844, AI457313, BE315483, BF974756, AI687343, AV763457, AI160534, BE206562, AW151541, AI973173, AW962343, AA644090, AA577706, AI065031, AA526625, AA526326, AA719564, AA535216, AV703785, AC004690, AC011465, AL163279, AL022721, AF146367, AL022322, AC016594, AC007664, AC008543, AL138960, AP000152, AL049829, AC005082, AL133153, AF124523, AC022148, AL390209, AC005722, AC055740, AC004840, AL353701, AC005081, AC005829, AL031311, AL022330, AP000114, AP000046, AP001717, AC005383, AC009298, AC011450, AL050335, AL117339,

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HSAVM49	2054	800279	1 - 1252	15 - 1266	AI131050, AL529442, AW288086, AB043885, and AC060757.
HSAVO11	2055	566467	1 - 1609	15 - 1623	AV714805, AW965008, AA908687, AI951863, AI567674, AI076616, AL040921, AI053790, AL045053, AI053623, AA055169, AW243793, AV691147, AI431303, AU149045, AA601355, AL138265, AI284640, AL046409, AW970915, AW769399, BE646496, AI963720, AI282832, AI334443, AW193265, AV760777, BF668217, AW021583, AF330238, AV728425, AA586458, AV740801, AL046205, AI270117, BE393367, AV725423, AV710066, BF241967, BG249643, BF965406, AW303196, AI345654, AI613280, AW089927, AW833862, BF697673, AV728612, AW301350, AV761362, AA838140, BF677892, AW969629, AV762395, AW247819, AI345518, AA720702, AV760937, AA665330, AI924251, AA812139, AA101689, AW502975, AV762098, AW964365, AW964364, BF970654, AV761489, AV763354, AU147104, AA610271, AI350211, AA490183, AW438643, AL041690, AI133164, AW103509, AV764307, AW102955, AV702857, BE387734, AI537506, AV762111, AW088202, AV735370, AW960468, AF074677, AW419262, AV762397, AW662543, AW238278, AI289067, AI281881, BF679304, AV763971, AI305766, AA581903, BF965082, AI064864, AW406447, H71429, AW589257, AA483223, AV700498, AL138455, AV762064, AV757607, AV763449, BF942454, AI754658, AA469451, AV763255, AW975987, AI457397, AA652764, AW513362, AA610491, AI708009, AW276435, AV764329, BF827410, AV759274, BE350475, AV760042, AV761786, AI805363, AW410400, BG109996, AV762139, AV762050, AW327868, AV735495, AW963497, AW574794, AV762535, AV764241, AA525190, AI345681, AW072923, AV764578, AA587604, AV733830, AI345675, AA491284, AW276827, AI312309, AV762959, AI821271, AV759204, AA349366, AV759505, AA468131, AA631507, AA569471, AL042853, AL044940, AV760257, BF592311, AW274349, AW407578, AV742057, BF130107, AW193432, AW973397, AI375710, AU128330, AW975425, BF475381, AV710387, AV763670, BE674881, AL048626, AW069769, AV760571, AI471481, AI688846, AW073470, AA613227, AI799642, BE047069, AV762154, BE049139, AA487475, AV760106, AV764398, BE150580, AV757425, AW408717,

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HSAVO17	2056	738007	1 - 1427	15 - 1441	AI733856, AW973992, AA847499, AI625604, AI254779, AA515728, BF771774, BE063437, AW963463, AU147162, AV756491, BF725844, AW341978, AA410788, AV762633, BE256101, AW575000, AI821931, AW275432, AI537020, AI891080, AI279417, BE139267, BF805088, AI491765, AI114733, AI133552, AI754653, AA535216, AW264986, T74524, AW327624, AV755512, AI613389, AV763026, AV763058, AV738383, AL079734, AV757289, AV695478, AI801505, AA714288, AA533176, AW805539, BE062478, BE139358, BF589824, AA715814, BF839844, AA456924, AW328331, AA630854, AA513851, AW798093, AI056177, AV763457, BE178481, BE138594, AI679002, AI281881, AV764259, AV715310, AI821420, AI675615, AW872676, BE062476, AU146620, BE062159, BF768846, AW505253, AI380617, AW265688, BE968744, AI821987, AW302017, AI732869, AW022897, AI696955, AA584489, AW167330, AW168433, BG250286, AW978041, AI912401, AW970064, AA719073, BF828714, AA856873, BF827410, AA904275, AI628922, AW270256, AW438542, BF771349, AW575605, H07953, AI792578, BF528591, BE048991, AA736477, AA773463, AA533025, AV736734, BF212465, AL133260, AC020908, AC008760, AC007030, AC006271, AC008616, AL050335, AC003101, AC004706, L44140, AC007216, AL031683, AC007565, U95090, AC002456, AL109823, AC004253, AL132639, AC011464, AC011475, AC004491, AL031295, AC005291, AC011462, AC005666, AC009756, AC008623, X55448, AC009470, AL121899,

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HSAVQ13	2057	606818	1 - 562	15 - 576	BE072178, AL121886, AF053356, AL022067, AC002288, AC005043, AL024507, AC005011, AL035417, AC006347, AC010746, AC010746, AC010746, AC010860, AC010860, and AC010860.
HSAVR85	2058	786185	1 - 5034	15 - 5048	AL530545, AL530546, BF794160, BF034230, BE842767, AW582124, BF795340, AB045230, BG117980, BG111120, BE740467, BE842766, BE147580, BE842757, BE842753, BE873103, AW813950, BE842764, BG119045, BE842775, AW378967, BE147469, AW813801, BE147803, BG111202, BE842754, AW582107, BF338111, BE147582, BE842779, BG168353, AW582127, BF033455, AW582105, BE904231, BG260557, AW378964, AW950949, BE842777, BE147788, BE842770, BE147474, BE842771, AW813960, BF309673, BE842774, BE842765, AW813609, AW813967, BE147476, BE147801, AW813735, BE842776, BE147593, BF309593, AL035851, AW813943, AW813608, BG163797, BE842762, BE147463, BE147119, AI207515, BE147736, BE842751, AW378952, AW582104, BE147470, BE842773, AW813576, BE785649, AW378970, BE782869, AW579698, AW582110, AW813805, BG035906, AW813868, AW813799, BG031595, BE842739, BF349890, AW813953, BE842740, BE147594, AW813969, BE147587, AW813741, AW813806, AW582118, AW992554, BE147583, AW579686, AA452202, BE898150, AW813966, AW378956, BG165847, BE842780, BE147585, BE147472, AW813612, AW582123, BE706155, BE147732, BE147726, AW813952, BE147581, BF528967, BE147804, BE785164, BE147727, AW582116, BF347823, BG259282, AW582130, AW813958, BE147335, AL036446, AW813584, BE147462, AI971040, AW378954, AW378957, BG112319, AW582121, AW813802, BE744587, AW813954, AW813573, AV707565, AW393921, AW601513, AW813867, BE147468, BE147465, AI830079, AI478191, AW813944, BE161572, BE147800, BE147737, AL079742, AV693655, AW955076, AL036648, BE842759, AW939270, AW378950, AW813602, AV692565, BF673280, AV692568, BF591662, AV694364, BF375136, AA984313, AW579683, AV696559,

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HSVY92	2059	606808	1 - 1120	15 - 1134	<p>AA760699, BE148769, AU139382, AL518266, BE905657, AA044767,</p>

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HSAVZ05	2060	690151	1 - 1572	15 - 1586	AU146936, AA502868, AA610505, AA757426, AI679294, BF927386, AI679871, AA547979, AV700421, BG110480, AA599143, AV733183, AA599115, BG056362, BF915535, AL046746, AW817886, BF870775, AI457152, AL040921, AI053790, BF923365, AW514598, AI080732, AV762975, BF529703, AI800168, AV733174, AI800180, AA492584, AW249468, AW510513, BF212160, AU153921, AA595093, BE515119, AI440117, AA457685, BE062478, AI961232, BE895796, AU147738, AL137984, BE062476, AV758210, AI445582, AI291309, AI445934, AA282951, AU146487, AI368732, AV728369, BE908602, AA568314, AA284247, BF725844, AW467607, AK024138, AC020904, Z93015, AC002477, AL158196, AL049840, AC008569, U96629, AC010458, AC011465, AC009509, AC011475, AL157838, AL355385, AC007030, AC006441, AL022336, AC009060, AL049776, AL158828, AC004166, AC008760, AC002310, AC005015, AC002369, AL136304, AL121586, AC005520, AC005736, AC004815, AC005098, AC004867, AC008403, AC016898, AC000025, AC027319, AC004526, AC007637, AL008718, AC005089, AC002126, AC010271, AL022322, AC011495, AC005081, AL049748, AC007052, AC006023, AC005049, AC025593, AP000131, AP000209, AC016025, AL109952, Z83844, AL031311, AC009123, AC003101, AC004150, AL158830, AC004089, AC004821, AL109827, AL121655, AC002996, AC005071, AC004216, AC005229, AC007956, AC005412, AP001717, AC008812, AL109797, AL096870, AP001711, AL034420, AP000248, AC004000, AC011811, U52111, AP001725, AL162430, AF111168, AC007011, AL050318, AL121905, AL136137, AC005529, AL160191, AL157938, AC004878, AC010605, AC005052, AC005670, AL031659, AC005086, AC008753, AL035462, AL078638, AL024498, AC018738, AC009516, AC020908, AC008616, AC007537, AC068799, AL049712, AP001726, AL034548, AC005480, AC008267, AC004685, AC011479, AL137039, U47924, AF047825, AL138787, AL109976, AL117258, AL031431, Z93241, AC004991, AC011452, AL121601, AC011480, AC006330, AC008736, AF243527, AC007993, AC002316, AC005288, AC004812, AC005666, AL109804, AC004019, AC007731, Z84469, AC010553, AC005037, AC009247,

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HSAWB58	2061	738018	1 - 1689	15 - 1703	AA584489, AI040051, AW021917, AW270258, AV760918, AI338426, BE019467, AI587583, AI587565, AA610491, AI144101, AV760571, AI357823, AI635819, AV759204, BE063437, AI754653, AA515728, AI061313, AV711465, AL118991, BG058664, AW271904, AL120959, BE139267, AW872676, AA680243, AI004591, AW672999, AA576336, AW500250, AI753488, AW855803, AW276827, AW237905, AW513015, BF839844, BF724372, AL079645, AW193265, AW189068, AW855730, BF919931, AV703682, AI298710, BE062545, AI732120, AV763354, AI281881, AA225406, BE139358, AA661948, AI291823, AW958962, AI635028, AW272294, AI885488, AI623898, AI859946, AW962942, AV730824, AW131249, AI188390, F36273, AI860020, AL449689, AI623720, AF246229, BE018774, AI570943, AW732188, AI039809, AW574794, AW855736, AA191418, AI350211, AA548029, AW571499, AW872575, AA621704, AI445815, AI377413, AI355587, AW028429, AV762139, AI312790, AW974932, AW873261, AW276935, AI613280, AW276817, BE090487, AI821044, AI628219, BG236735, AA779783, AI571512,

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HSAWH36	2062	581087	1 - 1100	15 - 1114	AW079761, BF879045, AW969831, BE138594, AI369580, AA632757, BF879334, AA663201, BF675251, AA552586, AV754659, AW275971, BF339636, AW069769, BG180976, AA507822, AA532419, AI580250, AL137061, AC007097, Z98036, AC011310, AC008474, AC003010, AL034402, AL049709, AL132656, AC018637, AL135783, AC017093, AC008753, AL354857, AC003071, AC007546, AC005901, Z85996, Z98941, AL138878, AL035458, AC006337, AP000039, AC018641, AC005191, AP001715, AL035089, AC007969, AF168681, AC007000, AC003091, AC008816, AF002223, AL159997, AC010081, AF069291, AC010205, AL390025, AL353804, AL136980, AC074178, AP001725, AL158040, Z94056, AC009060, AL135744, AC009311, AC005736, AC005792, Z84484, AC007327, AB020868, AC018738, AC083874, AC004785, AC002457, AC005995, AP001728, AL121869, AC006088, AC007378, AL133174, AC008764, AC025435, AP000692, Z93244, AC007384, AL109656, AC005002, AC020626, AC002430, AF011889, AL356513, AC007312, AC005803, AC012055, AP000010, AC006123, AL118501, AC004584, AC005722, AC004622, AL356022, AC005837, AC002470, AC074338, AC007671, AL031846, Z95114, U89335, AL049836, AC007631, AC020550, AF064861, AL136000, AP001679, AC005257, AC025445, AC020898, AF181896, AL035427, AC012351, AL024498, AL078581, AL109953, AL033381,

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HSAWM20	2063	606840	1 - 610	15 - 624	AW193265, AI431303, AL046409, AV760937, AI284640, AW975266, AV763354, AV764307, AI334443, AV710066, AA631507, AW083364, AV764398, AW974109, AA610491, AI350211, BF677892, AV740801, AW500125, AV760774, AI732865, AI149478, BF475381, BE350475, AI370074, AW502975, AW193432, AI370094, AI537506, BE206443, AL041690, AI471481, AW438643, AV762139, AV728928, AA584581, AI085719, AI754658, AL119691, AV764530, AV762959, AI688846, AV761188, AV761608, AA525824, AI053672, AV762050, AL048925, AV761631, AI375710, AV728425, BF681576, BG249643, AV761403, AI061334, AW265393, AL042753, BF697673, BF939954, BE047069, AI708009, BE042649, AV760378, AV725423, AI281697, BG059568, AW008317, AW731867, AA977743, AV760817, AV759382, AV762098, AA515829, BG107801, AV760543, AA828042, BF241967, AI744188, AV733830, AI801600, BF883982, AW511743, AI805363, BF337291, BF806176, AV760207, AV763122, AI344844, AV763847, AI469968, AW517737, BF805094, BF812839, AV759580, W79504, AV759362, AI654588, AV762535, AI590958, AC003046,

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HSAWM74	2064	866195	1 - 519	15 - 533	AL533363, AI963352, AI928783, AI830091, AW156912, AW157766, BG232073, AW162562, AI798138, AW262125, AI674833, AW157587, AI077676, BG236045, AW148939, AI816293, N25541, AA708990, AA669821, AW157474, AA575898, AI338574, AW272546, AA593762, AI200704, W93860, AA576598, AI817392, AI199823, AV711322, AI039883, AI986467, AI139644, AI206529, AA843178, AW029137, AI340072, AA577607, AV759165, AL533268, AA864492, BG178409, AW161689, AI276918, BF967861, AV722302, BE874868, AV702224, BE122846, AA128267, AI630859, AV723940, BE791202, AI139451, AI673724, AI832599, AA970318, AA506290, AA814150, H42152, AI923629, H43136, AI523448, AA029738, AA507762, BF339857, H01957, AI191285, AI085683, AI745646, AI660175, H42506, BG178768, BE877936, AV742697, AV744421, AA029498, AA740348, AA457725, AW005610, N20640, AA506938, AV733623, H26094, H42476, AA039989, AI167980, BF448586, BG163828, BF815571, BG230993, AA642726, AA455488, W74383, AV755945, BF967950, AV707789, N36838, AA572799, AI754274, BG164837, F32477, AW511436, BE799051, BF571229, BF529506, R79563, BG171345, BE872856, N21386, T34865, N36170, AA845291, BF737798, BE615020, AI754434, AA010689, AL533542, BF345205, BF772634, BE780411, BE745145, W79200, AV740099, BE122839, AA629624, BF687929, AA126699, AA551974, AA213462, AV710824, AA062612, AI866674, R79564, AI753955, H43291, AA455489, BF528571, BF973309, W90619, H87752, AV729590, BF974878, AI675230, AI262663, AV733983, F19214, AI244333, BF530905, AV734637, BE122838, AA034262, F27538, AA807373, H44617, AI675219, M79268, AA550788, BF338381, BE763269, F19707, F27484, F37858, F17594, AI186350, BF737242, AV735781, AA524132, F33191, AA133870, T30025, BF216407, BF820971, BE718764, AA552464, BF974287, AA971047, BE768403, BF062642, R98062, BE769233, BF126571, F36923, AV748914, BF825918, AI280230, BE819393, AA044384, R99593, BE718760, W27617, BE834310, AW016630,

					BE924923, BE763913, H78360, H46387, T32915, BF674685, AI363755, N69667, H44432, R99608, AA991335, AA835451, N90666, T32723, W67498, T31903, AV743174, AA296999, H92174, T31891, AV711487, R70404, BE819385, BF772626, BF821744, BE899054, H48788, AA657872, AA669563, BE273067, BF090587, AW938715, AI271664, BE696740, AW884217, AA010688, BF844591, AA296791, AA188406, BF820365, N67566, AI076870, BF206608, BF820364, BF700461, T34765, AV737065, AI669502, H83347, BE819394, BE614815, H58071, AI581698, BE844143, N31340, BF772629, AA181188, AF067171, AL050182, AF183425, AF044671, AC003688, AF161586, AJ297742, AF161587, AF161588, U65413, AC003688, AC003688, AC003688, AC026954, and AC026954.
HSAWX70	2065	872498	1 - 4001	15 - 4015	AU120914, AU118961, AU120025, AU139829, AU135558, AL043280, AA603182, AU135145, BG259793, BF792969, AU137405, BG179092, AW891047, AL120645, AL138058, BF673533, AW862788, AA601418, AV720960, AU123600, BF672307, AU137706, BE749121, AW963819, BG254557, AA601464, BF982408, AA577825, AV730341, AA577803, AW975619, AA601406, AA126847, AA577840, BF854115, AA713821, AA594706, BE894100, AA577875, AA126794, AW854785, BF670524, BE146572, AA490019, AW936347, BE178630, AA583392, AA577773, AA601412, AA577765, AW835453, AA307312, BF126263, AW854172, AW835452, AA593549, AA594753, AW936488, AA490015, BF671398, AL138332, AA169557, AA489989, AA658824, BE737678, AA613153, AA174121, AA169344, AV654053, AA169228, BF815390, AA487519, AA722310, AA180281, BF853808, BF853864, BE142308, AA456926, AA773127, AA167492, AA504875, AA486097, BF853661, BF853043, AA456979, AA179985, BE246241, BE146570, AW129720, AA594147, AW818170, AA451922, AA464930, AA315673, BF853866, AA775210, BE073203, AA668372, AA772877, BF853660, AA456920, AA663375, AA834194, AA668327, BF854257, AA584834, AA188953, AV750915, AA167544, BF993214, AW864373, AA578664, AA121767, AA584534, AA613193, BE069877, BF743203, AA206780, AA169346, AA456941, BF992082, AA780751, AA451919, AA457219, AW860074, AA584435,

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HSAXC22	2066	606842	1 - 536	15 - 550	<p>AV701874, AV654035, AV729220, AV692972, AV685688, AV689800, AV687909, AV652001, AV706527, AV726156, AV656240, AV726194, AV727126, AV693005, AV724987, AV687176, AV727459, AV655901, AV656283, AV651897, AV725956, AV706532, AV707933, AV706162, AV727032, AV729077, AV651503, AV701728, AV725441, AV692345, AV709407, AV728436, AV706165, AV728715, AV705047, AV652156, AV725617, AV704553, AV725826, AV706882, AV702427, AV728270, AV697638, AV706089, AV651955, AV706671, AV726259, AV705976, AV708991, AV705684, AV707458, AV726694, AV701560, AV726520, AV652528, AV704182, AV705299, AV728404, AV646347, AV709356, AV658436, AV702738, AV704269, AV728652, AV709549, AV658784, AV702817, AV691615, AV703762, AV703213, AV706662, AV701707,</p>

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HSAXI10	2067	598726	1 - 798	15 - 812	N27751, AL042373, BE327876, AI755214, AW500684, AI754567, AI754105, AW969667, AW576251, AV761107, AL120343, AA602906, BE315483, AI733856, AV758870, AI061313, AA535216, AW973992, AW270385, AV760469, N23504, AA315361, AA579179, AV759632, AV763550, BF805088, AW341978, AA644090, AI801505, AV760014, AI636480, AI279417, BE062159, AV756491, AA714011, AW265688, AA410788, BF950533, AV710214, AU147162, AI683131, AW328000, AW275432, AW021917, BF691714, T74524, AI923052, AL079734, BG029528, AV764259, AA904275, BG180976, AW872736, AL040054, AA515728, AI254779, AA618316, AA829044, AI251576, BF589824, AV759295, AA284247, BE139267, AV762430, AA643770, AI275982, AI889995, AU151751, AV759518, AI583466, AI962030, AV762633, AV744179, AL524675, AW976024, AA577706, AW575605, AL042230, AW328202, AL119691, AI569401, AW975049, AW338035, BF854308, AW816516, AW338021, BE063437, AA502991, AI366555, AI669421, H07953, AI801482, AW026305, AL042667, AL042670, AI421950, AV710482, AW069227, AI419337, AL047349, BG059972, AI753113, AW753399, AU143917, AI859438, AV730986, AI284126, AW963542, AI040051, AW162288, AW845366, AI348780, AA659832, AV733437, AV761613, BE138594, AI926728, BE151208, AL040374, AW576374, BE139358, AA714110, AL037714, BE161469, BF804385, AI249688, AW575012, AV761547, AV695478, AW471332, AI114557, AI114733, AI133552, BF939646, AI361090, AI049709, AI654738, AW969743, AW969831, AW237905, AV732057, BG000961, BG231842, AI188340, AI160534, AI669589, AW302659, AW302705, AA828834, BF525663, AI345654, AW275719, AW270771, AV762975, AW151541, AV719392, AI793172, BF589788, AI908381, AA578621, AA833875, AA833896, AC008649, AC005200, AC007664, AL031283, AC011450, AC020913, AC010352, AL136418, AC007308, AL049776, AC002472, AL133467, AL135927, AC007227, AC016652, AC011462, AL356020, AL353653, AC000159, AC002470, AC006345, AL096791, AL109801, Z82195, AC006329, AC006942, AF168787, AL031228, AC011465, AL161936, AC008623, AC004466, AL109825,

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095003 0921 005660

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HSAXL49	2068	606826	1 - 884	15 - 898	AI890283, AW873417, AV683406, AI732720, AA533660, AW474825, AI254267, AV742390, AW085751, AI274773, AI754257, AU146789, AI921744, AW962971, AV758849, AI444575, AA046906, AA493808, BE140949, AW439224, AI620666, AI547110, AI345123, AW510403, AA157876, AW072963, AV760560, AW275432, AW021674, AW419201, AA568303, AW968167, AW078646, BF880881, AI890297, AW338376, AW021774, AA171400, AA218684, AA199578, H62123, H86399, AW514844, AI591299, AI590522, AA568433, AI344810, AV762245, AA568311, AA280886, AW979200, AA525753, AA640305, AA019793, AI224583, AW973278, AA630476, BF724416, AV651424, AA846923, AI797998, BE244547, AW177869, AA507623, AI744963, AI002950, AV732057, AA084320, BE080768, AW085811, AI570067, AW473160, AW238341, AI733523, AW020612, AL041375, AW962942, AI567676, AW021847, BF530611, BE062053, AI815425, BF832074, AI609992, AI049999, AV761809, AI003086, AA595661, BF803608, AW268277, AA636077, AV730440, AA425283, AW129188, BF942991, AW272815, AI281622, BF725837, BE395467, AW075979, BF944618, AV712092, AW238137, AI150934, AV762541, AI732327, BF849260, BF971234, AV764119, N72678, AW022796, AI734119, AV758870, H53546, AA579417, BF991881, AA502097, BE245770, AA297776, AV655282, AW302048, AW975247, AW085626, AA843542, AI053518, BE328286, BE967607, AW192518, AA584489, AA182569, AA601290, AC009086, AC008736, AL049830, AC002551, AL157789, AC007220, AL137881, AC000111, AL136418, AC006162, AC008372, AC005215, AL031282, AC002476, AL158198, AC007226, AC008474, AL137230, AC010489, AL109797, AC011248, AL354696, AC006597, AC009155, AC002119, AC009244, AC010598, AC007546, AC004213, AC006337, AC004025, Z93023, AC005632, AC002543, AC005355, AC069536, AB048956, AC022407, AC004975, AL022165, AL353807, AL008629, AC004041, AL021918, AC004150, AL109827, AL021940, AL008716, AL035086, AC004686, AL035400, AL121751, AC004650, AL035405, AL137162, AC011462, AC002997, Z86090, AF207550, AL080243, AC005902, AC002126,

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HSAXL82	2069	566801	1 - 885	15 - 899	AI864336, AI559986, AI357034, AV744706, AI457143, BE049052, AW136039, AI540401, AW298127, BF132213, AI598077, F06190, AL047454, T05155, AA471215, AA489231, AI400888, N36200, AA806435, BE241819, AA053604, W39286, AI813836, AA316857,

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					and AP001992.
HSAXN57	2070	604946	1 - 470	15 - 484	AI022066, AI052093, AI697539, AW975156, AA659108, AC068096, AC068096, and AC068096.
HSAXO45	2071	812767	1 - 1377	15 - 1391	AV709692, AV709025, AV703761, AV705020, AV683012, AV655067, AV694787, AV729494, AV725514, AV707654, AV725423, AV706891, AV728425, AV702343, AV688407, AV726754, AV702817, AV706410, AV707794, AV701873, AV706025, AV701499, AV703998, AV702659, AV701858, AV703137, AV729037, AV705525, AV706814, AV701876, AV703460, AV703232, AV703388, AV701844, AV704740, AV706991, AV709935, AV702760, AV701496, AV702463, AV728455, AV708720, AV727822, AV707368, AV724987, AV656240, AV708809, AV701372, AV655096, AV728546, AV706527, AV726559, AV702728, AV702107, AV729076, AV705047, AV705416, AV702280, AV709273, AV728715, AV702486, AV729411, AV707686, AV705532, AV707798, AV706758, AV709596, AV763583, AV658784, AV727583, AV702738, AV726505, AV704974, AV706394, AV701596, AV649758, AV705299, AV703515, AV707088, AV701961, AV702869, AV725090, AV704401, AV709897, AV701728, AV702172, AV764176, AV706741, AV706827, AV727032, AV658332, AV726787, AV729473, AV707184, AV728872, AV706925, AV703436, AV725031, AV706659, AV703417, AV726183, AV725497, AV725991, AV708991, AV760359, AV651897, AV726628, AV729077, AV729366, AV705684, AV706989, AV727469, AV705467, AV707510, AV709733, AV703989, AV705433, AV709880, AV703090, AV759059, AV704116, AV704541, AV707458, AV764465, AV759967, AV703214, AV702071, AV709356, AV647654, AV709244, AV707155, AV702928, AV703542, AV726653, AV706882, AV702851, AV707009, AV706133, AV727314, AV727103, AV706330, AV645545, AV727459, AV706453, AV727126, AV701620, AV702383, AV725431, AV648619, AV726838, AV726948, AV691615, AV727029, AV729129, AV707948, AV702787, AV693117, AV702673, AV706532, AV705662, AV705678, AV704981, AV709222, AV728997, AV706992, AV707401, AV647692, AV707882,

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HSAXS06	2072	668260	1 - 1111	15 - 1125	<p>AA381327, AW069227, BF832074, AI634187, AW968341, AW023111, BE154617, AI912401, AI801482, BE143634, AW963444, AI587583, AI587565, AI457313, AW972919, BF724372, AI284640, AI587349, AL046409, AA644090, AW275432, AV756056, AI683116, AW674631, AA219349, AV710066, AW073470, AI307201, BE042511, AV735370, BF915247, AA468505, AL037683, AW500125, AU151751, AA491767, AA878492, BF849430, AV755593, AA587604, AW166920, BF915722, AC008389, AC010609, AC016543, AL133260, AC009086, AP000359, AC008747, AP001432, AC006965, AP000010, AC005746, AL049795, AP000151, AC015550, AL121652, AJ011930, AL163300, AC008569, AC002544, AC007277, AP001728, AC069536, AC004491, AC005332, AL133245, AF134726, AL121914, AL008708, AC005755, AC004257, AC006970, AC009248, M89651, AC006166, AC004955, AC008543, AC005529, AL121753, AC002543, AL009172, L76568, AC008753, AB023051, AP000326, AL139331, AP000054, AP000169, AC021016, AC012309, AC004967, AC010422, AC004888, AL160231, AC003029, AC018716, AP000512, AL050342, AC024561, AL133153, AL035404, AC005747, AL109623, AC011489,</p>

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HSAXS22	2073	608308	1 - 352	15 - 366	AL357516, and AL357516.
HSAYL24	2074	608642	1 - 1052	15 - 1066	BG032946, AA502757, F33235, AI142384, AV711221, AI494074, R70613, AI970637, AW384898, AW630941, AA443390, AW069807, AL039324, AW372242, AI767490, AU138541, AW516301, AI499094, AA373021, AA702498, AA516326, AW957464, BF219137, AA190613, AI453066, BE386324, BE409452, AW954394, AA551409, AF039185, AI588856, AI282907,

					AA779075, AV708850, AW384879, AI826253, AW673655, AL037876, AA776971, AI254779, BG111945, BF984148, BF913236, AV687035, AW954417, AI003172, AA362700, AA483034, AW089101, AA972809, AA503770, AA501777, AV755677, AA191659, AW020599, AA126450, AK025108, AL133059, AK001635, Z95704, AC006557, AL023875, AC008080, AL031055, AP001670, AC020698, AC007620, AF312915, AL132987, AL157838, AL161426, AL139343, AL133411, AL121653, AC004066, AL161630, AC002464, AC005291, AF165142, AC007912, AC005703, AB020860, AC004106, AC005728, AC005274, Z99291, AC003684, AC073316, AC005378, AP001681, AL162742, AC009245, AL442167, AL078582, AL163285, AC003119, AC002461, AL121936, AL391839, AC009481, AP001068, AL356499, AC004849, AL445465, AC004817, AC008265, AJ011930, AC007782, AL163300, AL163248, AC007036, AC009784, AC002090, AP001759, AC005497, AL133344, AC005324, AL163280, AC026239, AL121989, AP000432, AC007739, AL138828, AP001697, AL034452, U82671, AL109614, AC009721, AC006480, AP001598, AL031653, AL121751, AC087095, AL359916, AL356010, AC005181, AC003950, AL121673, AC004966, AC017002, AC006207, AC004072, AL161445, AF130343, AC017047, AC007262, AL117187, AC006013, AC009275, AL136300, AL139350, AC010311, AL121943, AL445217, AC005599, AC007041, Z97876, AL160058, AC009890, AP000264, AC007561, AL035404, AL050349, AC022148, AL133321, AC020552, AL033526, AC026722, AP001679, AL034372, AC004941, AP000344, AC004664, AC020916, AC008519, AL136314, Z98304, AL162872, AL109798, AC022079, AC020912, AJ009615, AC012067, AP000031, AC005229, AL138755, AC018716, AL160033, AC018812, AF236874, AL136372, AP000101, AP001692, AC005539, AC002994, AC024947, AC010132, AL008639, AL050338, AC004874, AC002301, AC025169, AC008060, AC006039, AF205588, AL050335, AP000475, AC005409, AC013429, AL121983, AC069277, AL033533, AL163533, AL078463, AL352979, AC004887, AL034349, AC024084, Z82194, AC008264, AP001760, AL049610, AP001596, AC009468, AC007878, AC025264, AC009073, AP001678, AC004448, AP000014, AC002074, AC006581, Z84466, AC024154, AC007570, AC023134, AL133391, AC002072, AL078590, AL034402, AL355835, AC007388, AC010170, AC015592,
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HSAYO82	2075	824712	1 - 591	15 - 605	AF139776, AF017104, AC058791, AC016831, AC016831, AC016831, AC058791, AC058791, AC058791, AF017104, AF017104, and AF017104.
HSAYR62	2076	751035	1 - 3102	15 - 3116	AL521874, AL521875, BE871952, BE378657, AW385685, BF984076, BG248848, AW811913, BE877730, BE896260, BF184236, BE741912, BE883551, AW959992, BE883829, BF792004, AW608715, AW967116, BF185690, AA888747, AW953964, AW608695, BE697565, BF030318, BF574306, AW875542, AA527664, BE091174, BF944562, N63908, BF849155, AV658357, BG255049, AW875531, AI189325, BF950112, N34246, AI131347, AA031371, BE295130, BF942949, BE718275, N25647, AI025748, AW470040, AI097284, BF944699, AL045319, AW875544, AW875472, AW966713, BF950162, BF846790, AW875469, AW875538, BF800109, BF944558, AA565684, W78051, BF364927, BE299252, AW151829, AA854068, AW875463, BF213739, N23329, BF944692, AW150196, AI680234, BE061304, AI553860, AI692807, AW875480, AL045318, AA129594, AI694263, N33290, AA043919, AA634364, AI089252, R56736, W07707, AA677980, AI017013, AI356743, AA738270, BF364933, BF944567, AI056112, AW900058, AV725732, AA946769, BG026741, AA393961, W79145, AA361038, BF364920, BF944697, N98279, AI669290, AW169890,

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HSACP90	2077	793733	1 - 1059	15 - 1073	AI344212, AV737750, BF882310, AV739223, D58283, AW966029, D80043, D80188, AV720151, AV699550, AW966059, AW959628, D80247, AW960532, AW966531, AW966030, AW966398, AV700086, D80522, AW966342, D80022, AW960465, AW973482, D80253, AW962082, AV722801, AW949632, AW973474, AW973465, D80366, AW959570, AW960483, AV720616, AW960473, AW965177, AW958992, AV721386, AW952839, AW973541, AV701839, AW973334, AV720533, AW952852, AW964468, AW959202, AV718489, C14331, AW959597, AW975618, AW959469, AW978648, AV719557, C14389, AW966331, AV720150, AW966388, AW965163, AW959136, D50979, AW964756, AV718440, AV720028, AW975605, AW965196, AW973485, AW965184, AV718844, AW966333, AV654329, AW966053, AW973490, AW975621, AW966399, AW960553, AV719783, AW966075, AW966065, AW973445, AW966389, AV720464, AV720729, D59467, D80439, AW978634, AW978661, AW966534, D80391,

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HSBAJ47	2078	842694	1 - 2181	15 - 2195	BE748577, AW965199, AV685719, AW965187, AW955216, AI762918, BG260099, BE748162, BG260592, BG105095, AW963799, AI768547, BE895745, AW965182, BF244457, BE327993, AW864384, AW055019, BF215425, AW469435, AA133909, AI422866, AI359440, AI925515, BF218696, AA994978, BF668550, AW511874, AI362319, AV721554, AV724467, BE880703, AA805328, AI581365, AA490518, R80720, H03177, AA261954, AV721860, BF477459, H89303, AA376229, AI581085, H03978, R62563, R80721, AA375349, H89302, R62564, R64519, AA345662, AV701829, AW962915, R33700, R33595, T25423, R64520, AW896401, AA324681, AV648263, AV729263, AL161670, AJ293294, AL161670, and AL161670.
HSDBI90	2079	853376	1 - 1043	15 - 1057	AU145402, H17256, AI341067, R45451, AW294404, BF593070, AA324600, AA348746, Z40844, AW295349, AK021734, AC010285, AC010285, AC010285, AC010285, AC010313, AC010313, AC010313, AC008393, and AC008393.
HSDDC55	2080	663277	1 - 1612	15 - 1626	AW276435, AI805547, BG236735, AA483223, AI082510, AW630298, BE872393, AI004591, AL040054, AA502155, AA491814, AV763540, AI243789, AA191418, BF827410, AI336054, AW500125, AW020088, AI291823, AI355587, AI312790, AW673941, AI624212, AI291124, AI039809, AA847508, AI291268, AI805363, AI380617, AA101689, AI569086, AL041706, AL079645, AW845366, AW327961, AL119838, AW088049, AW517743, AI733856, AW805539, AW467362, AA904275, AV681599, AI205181, BE042475, AI817516, AI079910, AI244127, AW169038, BF919090, AL121712, AC020663, AC003043, AL132653, AL354696, AC020906, AC004840, AL109743, AC005837, AC004477, AL163210, AC025430, AC020550, AC010271, AL035410, U95742, AP000260, AC007225, AL031727, AC005997, AC020750, AL353807, AC002316, AP000099, AF001549, AP001718, AC007637, AL133492, AP000036, AP001712, AC005231, AC007216, AC005632, AL163283, AC006111, U80017, AC007782, AL022322, AL110115, AJ010598, AL096870, AL354720, AL050318, AF067844, AC005785, AP000311, AC007666,

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HSDEA26	2081	822812	1 - 1678	15 - 1692	AF150250, AV744677, AW575909, BF974537, AV718585, AA410788, AA127426, AA228778, BG058664, AA613164, AV738383, AA570740,

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HSDEY39	2082	655366	1 - 961	15 - 975	AL514721, BF814450, AL041772, BE965758, AL514627, BF904265, AL513779, BF970652, AI567351, BF814453, AI702073, BF812961, AL514155, AI680498, AL513631, AI433157, BF812938, AL513781, AI961589, AI633125, BE966547, AL514409, AI249962, AI955906, AI569583, AL514085, AI868204, AW169653, AI912434, AW263569, AL514511, AI590227, AA833760, AL515191, BF904263, AI554821, AI636719, AW082623, AL514793, AL514035, AI863133, AL513977, AI282504, BE886728, AW151136, AI445992, AL514359, AL514919, AI269580, AL513951, AL513907, AI473451, AI670009, AI619502, AI888621, AI561356, AI569328, AI282355, AI539808, AI472566, AL514093, AI582871, AW198090, AL514899, AA814407, AI569945, AL514087, BF970623, AL513687, AW088560, BE964994, AL514791, AW072588, AI446809, AL514691, BE966577, AL513763, AI564736, AL514473, AL040011, AI863382, AI247193, AI619716, AI365256, AL080046, AL513693, AI863321, BE965621, AL513597, AI280747, AW673679, AI249877, AL513755, BG033509, AI783861, AW152182, AI538716, AI536685, AA911767, AI889306, AL513817, AI699865, AI873644, BF724198, AW075413, AL514543, AI521799, AL513999, AI499131, AI637584, AI669639, BE965014, AI445611, AI357599, AW148408,

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HSDFF72	2083	637662	1 - 1262	15 - 1276	AV720526, AV719155, AW297979, AI469960, BF197267, AW517302, AW967501, AW966877, AA251715, H30516, AA720888, AA765940, AV655637, AA743170, AI890205, AC016554, AC004999, and AC008783.
HSDFO08	2084	605008	1 - 1198	15 - 1212	AA703523, W87281, H48633, AI056754, AI932490, R97949, R76397, R97950, R76736, R26877, R27105, AC022886, and AC021425.
HSDFR10	2085	853377	1 - 561	15 - 575	BF434205, N30161, AI275604, BG249350, AI521200, BF439269, BE644920, AW471237, AI333027, H97467, AA242775, AI206379, AI803086, AA253423, AV729039, N52031, AA885385, AI219275, AI572295, H94431, AA252885, N21522, AI240648, AV727857, AV727707, AV726002, AW337691, AW955946, H84442, AV725587, AA242904, and AF009242.

HSDGB20	2086	608309	1 - 505	15 - 519	AC009220.
HSDGH56	2087	853379	1 - 1090	15 - 1104	AL037910, BF796375, AI343143, AW504485, AW268277, AI252506, AW075979, AL039187, AW979269, BF725347, AF177861, AI708009, BF964699, AW970922, AV733328, AW576287, AV702609, AV706237, AW970962, BF979071, BE157193, BF766734, AI273107, AW977540, AI859834, AI446474, AI865213, AW438643, AW193493, AL120976, AA468322, AA994578, AW162288, BF814446, AW955984, AW474152, AI345654, BE150087, AI791189, AW571493, AA857296, AV710482, AV713291, AA806796, AI623899, C14692, AW503666, AV762047, AL079734, AI872503, AI810236, F17700, BF691180, AW499885, T54898, BF677892, AW419081, AI284583, AW270256, AU137207, AW855803, AW955986, AW189278, R92640, F13749, AI299050, BG222269, AI801600, AI885572, N25042, AW513195, AC008738, Z94721, AL031670, AC020908, AC005516, AC011742, AC034186, AP000011, AC006079, AC026161, AL138995, AC018719, AL353738, AP001728, AC005703, AL357153, AC012085, AC006317, AC022201, AL138706, AC004764, AC016025, AC004448, AC006285, AP001754, AP000555, AL359693, AL133282, AL390755, Z84469, AC006120, AL136231, AP001712, AP001759, AL163853, AC003681, AL358777, AC025594, AC007969, AC008267, AL031313, AL139824, AC008462, AL109939, AL157827, AC005250, AC009953, AL136139, AC003070, AL158201, AL158144, AL353580, AL133328, AL357172, AP000101, AC008543, AL139109, AC010072, AC015853, AC007687, AL360227, AC006038, AL139189, AP001412, AC009228, AC006334, AP002533, AC000004, AP001713, AC006006, AL158159, AP000152, AC009479, AL445483, AC005539, AL137787, AP001751, AL133453, AL160192, AL133500, AC019050, AF224669, AC005969, AL031123, AP000466, AL118520, AC010092, AL139421, AC007653, AL049641, AC027644, AL121845, AL160231, AC005291, AF011889, AL136501, AC008115, AC008551, AJ271735, AL139123, AC005768, AC007271, AC069026, AC008067, AL136298, AC007312, L29074, AC005913, AC007619, AC025447, AC005536, AC020917, Z83838, AC007611, AC024084, AL035089, AC016689, AC010289, AL033378, AC011422, AC018751, AL158841, AC004694, AL050308, AF111168, AL445669, AC005746, AL133338, AP000344, AL022151, AC005348, AL049760, AC005690, AL133325, AP000517, AC008770,

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HSDGM01	2088	608310	1 - 851	15 - 865	AI254779, AI733856, AL038606, AI049709, AV761989, BE019467, AA315361, BE294700, AV738383, AW020992, AI380617, BE315483, AA833896, AW969743, AV760391, AI446259, AI917132, AW855730, AL037927, AI802804, AA630854, AA226584, AA833875, AW969824, AW302017, AV760389, AA483606, AW245354, BF805088, AI311647, AA634786, AW849714, AA570740, AI610920, BG177307, BF725844, AC003043, AL136179, AL109627, AP001725, AC002351, AC005215, AC022436, Z93023, AC005914, AC004752, AP001627, AL021368, AC078889, AF196970, Z99716, AC020916, AC007684, AC004859, AC003047, AL096840, AC004905, AC002994, AC008102, AP001747, AP001753, AC009953, AL022163, AP001718, AL132713, AC005482, D87675, AC005288, AC009600, AL163300, AC004826, AF001552, AC008738, AC004675, AC005255, AC020663, AC068799, AC010203, AC022407, AL050318, AL136295, AL022329, AC005920, AL109798, AC009180, AF088219, AL121928, AC021876, AL035587, L47234, AL033397, AL031255, Z97630, AJ295844, AF219991, AP000045, AC007308, AC006111, AC007597, AC004491, AF064859, AL159972, AC006388, AC008753, AL034420, AL354864, AL096814, AC009060, AF003626, AL049872, AC018644, AL031594, AP000362, AL133174, AC005790, AC009470,

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HSDGM42	2089	870143	1 - 3230	15 - 3244	AL523259, AU125719, AL523258, BE795590, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BF664322, BE907570, AU131690, BF311863, BF309140, BE262674, BE798174, BE296057, BF683515, BG032478, BF311452, BE780773, BF307148, BF315533, BF306755, BF975524, AL135057, BF315096, BF204200, BF309118, BE613737, BE899008, BF033497, AU139060, BE265209, BE791961, BF310568, BE260290, BE465420, BE389690, AI681518, BF206501, BE743864, AU127048, BE929626, AW602055, AL039392, BF085765, AI692511, AA126434, AW578789, AW958474, BE551260, BE266650, BF131422, BF085767, W73242, AA431845, AI741041, AA149414,

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HSDGM42	2090	824916	1 - 3215	15 - 3229	<p>AL523259, AU125719, BE795590, AL523258, BE795814, BE795317, BG112721, AL043102, AU125792, AU136086, BE742689, BF569391, BF316814, BE907570, BF664322, AU131690, BF311863, BE798174, BE296057, BF309140, BF683515, BF311452, BE262674, BE780773, BF307148, BF315533, AL135057, BF315096,</p>

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HSDGM42	2091	852473	1 - 1531	15 - 1545	BE795590, AL523259, AL523258, BE795814, BF664322, AU136086, BG112721, BE907570, BF683515, BF309140, BE262674, BG032478, BF306755, BF975524, AL135057, BF033497, BE899008, BE465420, BE389690, AI681518, BE929626, AI692511, AA126434, BE551260, AW958474, BF131422, W73242, AA149414, AA431845, AI741041, BE670447, BE674819, AV722012, BE384383, AA453874, AI382171, BF223537, BE674063, BE966299, AI651251, AA716512, BE674064, BF351061, AI189326, BG058741, BE737249, BF316271, BE276571, AW468178, AA281277, AI768820, AW406167, AI087946, AI670131, AL040191, AA489320, AA406606, AW193326, AW300691, BF954429, AI298196, AA994953, AU153388, N35424, AA768764, AU152144, AW072591, AA527704, AI796147, N24031, BE541681, BE791961, BG232037, BE384457, AI189518, H40910, AW575451, W73297, AI651230, AA678239, AI767999, BF432763, BE314507, BF754544, AI831533, AV747650, AV659602, AI039523, AI633506, AA621254, AA831340, AA577527, AI274990, AI274989, R54571, AA761298, AA595649, H45097, AI278796, BF955500, AA777665, AW470645, BF108609, AA676861, AW515519, AU149768, AI750752, C75076, AA027230, R73370, AA714946, AI204199, BE170158, AI769276, AI499039, AI698691, AA489315, N41477, T74612, BF930421, AA355303, AA730209, BF927062, AA580813, AI247923, AW874113, AW578789, AA431442, AW440729, BF085765, BF085767, BF570254, AA046211, AA113933, AI880169, BF447476, AW207415, AA889500, BF803348, AW023485, AW802230, R55477, AW602055, AI868412, R86029, BE858504, H44523, AA149300, AA513167, BG057749, AW080541, AW089033, R51960, T74671, AI214812, H51604, AI143409, AW139215, BF376257, AW797146, AW368562, BF886587, AI264766, BF378852, AA347274, AI003529, AW901018, AU139060, AW405466, BE614613, AW368718, BF062991, AI276442, AA773391, R85535, BE890178, H40951, AI245141, BE263299, AW806599, BE163090, BE179824, AI363861, AU131690, AA026169, BE887989, AI468401, D80069, BG014751, AI282001, AI188755, BF857391, AI523250, R53627, BF903847, BG014740, BF989978, H44524, BF955503, AU125719, AW963251, BF032838, BG164909, D45678, AA643733, BE810849, AI750753, AA912889, AI364558, BE162529, AA223088, BF929698, AK026172, AB002368, AC003010, AC009030, AC009030, and AC003010.

HSDGM42	2092	861925	1 - 3290	15 - 3304	<p>AL523259, AU125719, AL523258, BE795590, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BF664322, BE907570, AU131690, BF311863, BF309140, BE262674, BE798174, BE296057, BG032478, BF311452, BF683515, BE780773, BF307148, BF315533, BF306755, BF975524, AL135057, BF315096, BF204200, BF309118, BE613737, BE899008, BF033497, AU139060, BE265209, BE791961, BF310568, BE260290, BE465420, BE389690, AI681518, BF206501, BE743864, AU127048, BE929626, AW602055, AL039392, BF085765, AI692511, AA126434, AW578789, AW958474, BE551260, BE266650, BF131422, BF085767, W73242, AA431845, AI741041, AA149414, BE670447, BE262032, BE674819, AV722012, BE384383, AA453874, AI382171, AI905972, BE263299, BF223537, BE674063, AI651251, BE674064, AA716512, BF351061, BF316271, AI189326, BG058741, BE966299, BE276571, AV747650, AW468178, AA281277, AW406167, AI768820, BE737249, AI087946, AI670131, AL040191, AA489320, AA406606, AW193326, AW300691, BF954429, AI298196, AA994953, N35424, AA768764, AU153388, AU152144, BF155450, AW368562, AW072591, BE263977, AA527704, AI796147, BG232037, N24031, AI189518, BE384457, AW575451, H40910, W73297, AI651230, AA678239, BE314507, AI767999, BE541681, BF432763, BF754544, AI831533, AV659602, AA223088, AI039523, AI633506, AA621254, AA831340, AA577527, AI274990, AA761298, AA595649, AI274989, AI278796, BF955500, AA777665, AW470645, H45097, R54571, BF108609, AA676861, AW515519, AI750752, AU149768, C75076, AA027230, AA714946, R73370, BF904641, AI204199, BE170158, AI769276, AI499039, AI698691, AW239239, BF903847, AA489315, BG014751, BF930421, AA730209, AA355303, BF087104, N41477, T74612, BF927062, AA580813, AI247923, AW874113, AA431442, AW963251, AW440729, BE711033, BE410152, BF982031, AA046211, AA113933, BG014740, AI880169, BF447476, AA889500, AW207415, BF570254, BF803348, AW023485, R86676, AW802230, AW897415, R55477, AI868412, R86029, H44523, BE858504, BF093878, AA149300, AA513167, BG057749, AW080541, AW089033, R51960, AU130125, T74671, R87919, AI214812, AI143409, H51604, BE830715, BF349614, AW139215, BF376257, AI750753, AU126993, AW797146, BF886587, AW897478, AI264766, AA347274, BF378852, AI003529, AW901018, BE174767, BE762778, AW405466, AA375393, AW368718, BF353393, BE762825, BF062991, AI276442,</p>
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HSDGM42	2093	865828	1 - 3289	15 - 3303	AL523259, AU125719, BE795590, AL523258, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BE907570, BF664322, AU131690, BF311863, BE798174, BE296057, BF309140, BF311452, BF683515, BE262674, BE780773, BF307148, BF315533, AL135057, BF315096, BF306755, BF204200, BF975524, BG032478, BF309118, BE899008, BE613737, AU139060, BF033497, BE265209, BE791961, BF310568, BE260290, BE389690, BF206501, BE743864, AU127048, BE929626, AW602055, BE465420, AI681518, AL039392, BF085765, AW578789, AW958474, AI692511, AA126434, BE266650, BE551260, AA431845, BF085767, BF131422, AA149414, AA453874, BE670447, BE262032, BE674819, AV722012, BE384383, W73242, AI741041, AI382171, AI905972, BE263299, BF223537, AI651251, AA716512, BF351061, BF316271, BE674063, AI189326, BG058741, BE966299, BE674064, BE276571, AV747650, AW468178, AA281277, AI768820, BE737249, AI087946, AI670131, AA489320, AA406606, AW406167, AW193326, AW300691, BF954429, AI298196, AA994953, N35424, AA768764, AU152144, AL040191, AU153388, BF155450, AW368562, AW072591, BE263977, AA527704, AI796147, BG232037, N24031, W73297, AI189518, BE384457, AW575451, H40910,

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HSDGM42	2094	886748	1 - 3290	15 - 3304	AL523259, AU125719, AL523258, BE795590,

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HSDHD05	2095	570824	1 - 801	15 - 815	<p>AL515035, AV657079, AL514803, AL515375, AI922901, BE964767, AL514869, BE905408, AI274013, AI866002, AI701074, AI249257, AI868831, AI520785, AW168795, AI633419, AI857296, AI591316, AI554427, AW192375, AI828731, BF344652, AI866608, AI224992, AI799199, BE963918, AL514829, BE965355, AI679990, AW301409, BE967104, AI648663, BF812933, BG120816, AI610645, BF055737, AI620287, AI273048, AI636445, AI554484, AI811344, AI568296, AI912866, AI859511, AW262565, AI590118, AI500039, AL514819, AW118512, AW131954, AI612920, AW196141, AI567351, AI885974, AI690312, AI571551, BF724691, AI252813, AI453322, AW002342, AI569616, AI475451, AI824557, AI702433, AW082040, AW102785, AW103893, AI561299, AW129202, AW148716, AI888953, AI572676, AI433976, BF795712, AI687065, AI539153, AI612759, BE963035, AI624668, AI539771, AI598061, AI919345, AI866801, AI366549, AI636719, AI670782, AW088903, BF816042, AI284020, BE964820, AI952360, AI264741, AI590999, BE393551, AI633330, AI446605, AI682841, AI610756, AW088793, AV746964, AI500146, AI498579, AL036759, AL036361, BE965281, BG168696, BF792469, AW103371, AI680280, AI474107, AW072930, AL036403, AI680165, BE966388,</p>

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HSDIE51	2096	600371	1 - 1419	15 - 1433	AW190593, AA576926, AW753908, AW753902, H25703, H26279, AW023845, AV742328, BE765711, AA325531, AI688740, AC023138, AC023138, and AC015480.
HSDIK31	2097	847087	1 - 1848	15 - 1862	AI376454, AW959865, BG252313, BF984409, AV729385, BG105554, BG167219, BE895936, AL515186, BE876544, BF034788, BG111017, AI064781, AU131717, BE883754, BG169477, AV711421, AA486501, BF667838, AV727633, AW190277, AW968999, AI928909, AU119618, AW971855, BE645220, AV721509, BG109795, BF509233, AI826360, AU137684, BF970536, AA488689, BE222538, AL515185, BE502972, AI814682, W49761, AA527150, AI291439, BG026566, AW148775, BE382402, AI929163, BG168269, AI802485, N32596, AU137520, AV705480, BE467911, AI929789,

				BE974196, BG150180, AU126996, AW770991, BE547832, AI766895, AW778780, BF796386, AU134567, BF314874, D82420, AW264512, AA186666, W49667, N26205, BF360427, AI537995, BF315042, AI536858, AI581200, AI130709, BE537320, D82522, AA039957, AU138920, BE464713, AI536663, AV706945, AA489240, C16051, BE550098, BE464895, AA188319, AW272640, BE170014, R92264, AW383672, BE169984, AA364707, AA039929, BE677593, BF733517, N47820, R33734, AA894850, AI905278, AV749604, AA308032, R91936, AA360802, BF081252, AI249017, AW881634, H42600, BG000595, AA809857, AA504320, AL079577, BG007860, N22526, AI269640, AW089016, T47547, BF197862, AI620585, AI783911, AW963444, AW897556, AI755214, AI754567, AW500684, AW576251, AI754105, BF813163, AI281818, AW239002, T47548, AV695478, AI249688, AI590458, BE676910, AW608185, AW239144, AI859438, AV745803, AW131356, AV762633, AI038304, AI355246, AI733856, AI434037, AV746152, AA904211, BF854308, T47138, BF902572, AA742815, AI569100, AA129746, AV756220, AA714110, AA773463, AI499954, BG056362, AA680243, AW237905, AI590499, BE155099, BF834843, AI080307, AW075132, BF920612, BG054730, AV745750, AW192599, AV714931, AW864122, AV746096, AW976024, BF813780, AL524675, AV712063, AA463590, H29914, AI061313, AV657198, AL041375, AI358712, AA828637, AW504299, AW068008, AW068007, AI366555, AW265688, AW069227, AI732120, AF002668, AC005544, AF037338, AC019046, AC008720, AF217403, AC011491, AP000557, AC009032, AL136162, AL136137, AP001718, AC005005, AC007664, AC010311, AC005288, AL020995, AC007620, AP000248, AL033529, AL137839, Z97054, AP001727, AC008569, AL035086, AC002472, AC007957, AL109797, AC005500, AL022336, AL357560, AL035420, AL021397, AC007263, AP000215, AP001760, AL049694, AP000553, AP000555, AC006011, AC005225, AC005000, AP001712, AP000565, AC006101, AC004890, AC002369, AC009516, AC006285, AF134726, AC004685, Z83821, AL031587, AC007283, AL020991, AL021154, AC002301, AP000692, AD000092, AL096791, AC007956, AC011465, AC018751, AC024561, AC003692, AC004771, AL031595, AC008521, AC008250, AL023879, AC007344, AL049540, AC020913, AJ009616, AF165926, AC005037, AC004216, AL080249,
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HSDIV37	2098	847088	1 - 1187	15 - 1201	<p>BF213567, BF701399, AI760629, BF185383, AI806536, AI917646, BF939147, BE880004, AI754713, AW952942, BF939152, BE219778, BF670161, AI376056, AA780395, AA417185, AV731475, AV732774, AW084715, AW183049, AA532434, AA635648, BE695914, N72130, BE042776, AI913140, AA417000, H98641, AA649325, AA772842, AI587392, AA451865, AA904492, AW627767, AA535722, AW020939, BF352024, BF570644, AA502183, BF107404,</p>

					R53238, AV740218, AI564120, AI073875, BF541688, H80755, N25757, AA598597, H47620, H05946, BE972437, N31706, AA343834, AI476209, R37916, BE086042, BE048469, AI249265, BF031144, N67594, BF572394, BE769758, AA404407, H99764, BE468185, AA653412, AI474742, Z38173, N28581, AI470480, H69811, H68099, T35218, BF219381, BF448775, N58026, AI400370, AA370081, W00408, R53237, AW578429, N64223, AA878216, AL117599, AC026563, and AC026563.
HSDJC96	2099	753284	1 - 1955	15 - 1969	AI591163, BG116383, BE644697, AI942421, BF996976, BG116196, BF094101, AA588562, BF478079, BF996989, BF029359, BE048554, AI942402, BE327676, AA045481, BF695478, BF102838, AI520886, AI680440, AA016262, AA995170, AI867203, BF941842, BF997010, AI362487, BE865998, BF691875, AW380270, BF515127, AW089784, BF773201, AW978491, AV720307, R82350, C04722, AA830857, AI934005, AI828176, AA635752, AA046708, BG117577, AI985406, AW974237, AV732826, R82405, AI690012, BF572390, AA016994, AI274637, AW609224, AW803601, AI872632, AI829297, BF243814, BF986853, BE545998, D19775, AA046513, BE542209, C01578, AI474871, AA046625, BF030729, BF892423, BF341210, AW861793, D56834, AL514799, BE963337, AA577697, AW083867, AV658534, AV752254, AI419419, AI423034, AA975382, BF219806, T27311, AA601189, AA586389, C14896, AW250254, AA081938, C14476, AA604943, AV684177, AV721781, AA173760, AV723855, AW247058, C14524, T51670, AA082660, AV698682, T90243, BE259741, C14413, AI813587, BF958791, C14817, AI252712, C14578, BE272795, BE407749, BE392215, T49464, AA074578, AA115758, C14841, BE463492, C14173, BF879523, D53514, AA064892, AV650597, AV725013, BE271799, BF313144, D51655, AV722998, AV661913, AV653621, BG163388, AA181167, AV694388, R29281, AI879152, AV658289, AV729579, AV697233, AV683555, AV691621, D53954, AV698336, AV653453, AV694184, AV703796, AV686955, AV719044, W40227, AV698857, AV704809, AV689917, C14592, AV722988, C14015, AV730258, BF832921, AV724006, BE149495, BE314598, C13978, AI435688, AI492777, AV731517, AA075887, AV686223, AA132337, D52085, AV697494, D51323, AV694133, AW833159, AV661912, AI160686, AV660806, AW022610, AV646478, AV685223, BF686384, AV698779, AV651573, C14420, AV686066, AV652675, BE139252, C14213, AI093726, AI189098, AA316380, AW245190, BF768594,

					<p>C15064, AV655990, T68938, AA209384, AV696557, AV649621, AV684178, AV649040, AL049685, AL049792, AF093744, AJ251155, AF125314, AF060868, AL078630, A83691, AC069018, AJ400878, AL133454, AC006956, AC006944, AC084392, AF131805, AC005742, AB038698, AF125313, AP000345, M69222, AF069985, AF037352, AF031384, AF065162, AF110473, AC005855, AC002406, AC025613, AC006508, AC010463, AP002736, AC012531, U95739, U65744, AL354864, AJ131017, AC007425, U90355, AF090397, AL121923, X55231, AF162890, AC008020, AF006682, AJ251154, AC005835, AB043785, AL078472, AC008177, AX038854, AC005921, AC007585, AC006084, U44940, AF111103, AJ231025, AC004093, AC004858, AC023789, AC087216, AL158167, AC005229, AF241798, AC016550, AF006824, AF202852, AJ249895, AL135783, AF146525, AP000553, AC021887, AF296746, AC016554, AF276118, Z46936, AL049866, X76456, AF203662, S78188, J00627, AC020906, AF276156, AC007049, AF289666, AF296741, V00842, AJ278435, X96607, AC003694, AF100294, AC025447, AC002324, AF107342, AC005521, AC012150, AC005154, AL109928, U22028, A47886, AF081196, AC012302, AC009295, AP001287, AF110520, X13424, AC026385, D45431, AC005992, AF109906, AL353573, AC005290, AL034405, AC007344, AP000129, AP000207, AB051897, AC000096, AJ249922, AL034380, AC006455, AC003061, AJ230957, AC011013, Y09885, AE000665, AC068906, AC016656, X52034, AC026184, AC005818, AL080239, AL359894, AL109915, AC006949, AC007844, AC007511, AB049424, AF279458, Z82194, AL353706, AF180326, AL390857, AL133258, X94372, AL117606, AC010588, AC016652, D16108, AF152364, AC005681, AC004613, J05206, AC021642, Z82253, AC023430, Z99916, AC034109, AP001710, M65161, AC007402, X55230, AF235500, AC005538, AC005245, AJ233817, AC012397, AL031431, AF202853, AC005526, AF242433, AC005240, AL096814, L24372, U01247, AF109905, U56712, AL096700, AF287263, X82806, AL118520, M35603, AF276160, and AC024255.</p>
HSDJE77	2100	741053	1 - 1152	15 - 1166	<p>AI809014, AA952946, AL137847, AL137847, and AL137847.</p>
HSDJF04	2101	695756	1 - 1130	15 - 1144	<p>BF980279, AW450282, AL516887, AA401083, AW294119, AA575965, BE091190, AW157688, AA772999, BE875725, AA194727, AA587240, AW674605, AW952756, T15647, AA195568, AA934715, AI879690, AI805780, AA704912, AI823811, AI399826, AI908515, AI800525, AA063020, T15636, BG171490, Z40639,</p>

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HSDJG47	2102	847325	1 - 1916	15 - 1930	AL522801, AL522802, BE891604, BF026518, BF026629, BF724748, BF733047, BE895915, BE390374, BE893092, BF026953, BF001692, N93418, AI088111, AI887771, AU151879, AA707002, BF055012, BE384219, AI972149, AW071896, N29298, AI654338, AI457755, N20232, AA855099, AI264625, AI038391, AI080644, AI348422, AW002718, AA017223, AA017316, AI523722, H72034, AU152085, AI240293, AV697497, N99877, H69927, H69926, BF882871, T16549, AI374702, AI749026, BE546092, AI123781, BF929729, T62860, BE047896, T69743, AV685820, AW880938, T95565, T95566, T62710, D81304, W21459, R10823, R10822, BF850575, BF913033, AA972856, T12554, AW401433, T83634, AW895980, AA506779, BF591929, BF755861, T70727, AK023054, AK025510, AK022526, AK000135, AC005746, and AC005884.
HSDJH72	2103	805971	1 - 1739	15 - 1753	AV755512, AI061313, BE139358, BE139267, AI821714, AI792133, AI791913, AA303007, AW271904, AI821785, BF916934, AA587604, AW872676, AI334443, AW872575, BG249643, AW303196, AI919265, AW502873, AW301350, AV756491, AV763418, AV759935, BF760919, AI572924, AA720702, AI613459, AA984263, AW069227, AL045077, AI591299, AI345695, AI590522, AW327624, AW131457, BE069140, AA577748, AV755677, AV713243, AA669522, AA634837, AA525983, BE393367, AA581903, AV711465, AI254779, AI733856, BF809041, AW571499, AW968341, BE062478, BF916567, AW021774, AW191886, BG236735, AA442176, AI345123, AI753113, AV733239, AA468505, AW020340, AC018511, AF090940, AC005911, AP001705, AC006345, L44140, AF001549, AJ400877, AC006115, U91326, U95742, AC007383, AC004858, AC007216, AL136124, AL353635, AL121928, AC007686, U73023, AC009955, AF134726, AL109930, AP000503, AL096870, AL035464, AL121919, AC002531, AC006571, AC005666, AC010326,

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HSDJL07	2104	895387	1 - 1487	15 - 1501	AC010620, AC004815, and AC018511. AL043351, AW269504, AA579276, AA515048, AA551123, AW069769, AV760469, BF725315, AV736489, BF197769, AA651639, AV759632, AI580250, AW275432, AA634889, AV744082, AI061313, AA873573, AI682665, AI054333, AI753113, AL079734, AA502991, AA832077, AA191418, BF816093, BF918036, AA579205, BF991208, BF804385, AA533762, AL042373, AV710482, AW973992, AA714110, AA483606, BE968744, AA651632, R24887, AA908687, AV738383, AA838190, AA679532, AI270117, AA570740, BG223493, BF811714, BE395137, AA559241, AW963663, AW969743, BF809041, AW341978, BE019467, AP001052, AF168787, AC008050, AC006337, AC011465, AC007687, AC008745, AP001752, AP001725, AC011484, AC008569, AC002350, AF243527, AC004033, AL121601, AL353653, AC002369, AL034405, AC012384, AC083866, AL049766, AC007201, AL391114, AC004166, AL109797, AC011450, AJ224877, AC005520, AF038458, AJ012824, AC004611, AC010458, AC006480, AC007957, AP001710, AC005080, AL117258, AC021016, AF030876, AC005015, AC011490, AC002492, AC011455, AC006312, AC007263, AP000501, AC002288, AL035659, AC008623, AL033529, Z98884, Z83844, AL138741, AC007216, AL356299, AL050335, AC004125, AC004975, AL109743, AL021918, AL031295, U96629, AC011452, AC004089, AC005056, AL138976, AC005514, AC010463, AP001207, AL133454, AP001670, AC004382, AC004971, AL034420, AC020550, Z93015, AC005837, AC024952, AC006285, AC006511, AC004386, AP001619, AC010422, AF190465, AC002367, AC007597, AC009302, AL008718, AC004263, AC005399, AC002352, AC022148, AP000692, AC005921, AP000503, AC004876, AC003982, AC004867, AL078638, AC002544, AC002418, AC005020, AC005480, AL121653, AL079342, AL022336, AL354864, AC005225, Z86090, AL031311, AC004840, AL031589, AC005200, AP001681, AC002347, AC005914, AC053467, AP001610, AC009470, AC008521, AL096701, AC011491, AC006449, AC018751, AC020913, Z98051, AP000555, AC002477, AL031727, AF196971, AC006452, AC011497, AC003043, AC005089, AL022323, AL121891, AL353777, AC019171, AC005231, AL133153, AL021154, AL118520, AL160231, AC008848, AC023490, AC005207, AL031685, AC004707, AP000131,
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HSDJR49	2105	741079	1 - 1436	15 - 1450	M78055, AW965008, BE895796, BF028713, AV762783, BF674817, AV760723, BF915535, BE798520, AV720570, AV718718, AV729960, AV719402, BF346320, BF813805, AU119532, AA629679, AI132963, BF965231, AA603421, BF589864, AA908857, AA586458, AI469599, AW963982, BF699652, BE393367, H73550, BE300070, BF038189, AW503900, AI040051, AW858117, AW401509, AU148007, BE019467, AI151261, AL120343, AW105729, BE294700, AW600804, BE139267, BG059972, AV722075, BF877926, AA486559, AW903790, AC005037, AL022323, AC004797, AL121936, AC008745, AP001725, AL035587, AC004257, AL034405, AC005098, AC004019, AC005839, AC008267, AC008747, AL121658, AL136300, AC004867, AL035249, AC011500, AC002301, AC005041, AC004166, Z86090, Z83844, AF134726, AC004477, AC009079, AC008403, AJ246003, AC004840, AC005740, AC005245, AL096791, AC008079, AC005399, U95742, AC027644, AC002395, AC005529, AC004491, AJ400877, AL022238, AC000353, AC006483, AL023553, AL031295, AC011495, AL135787, AC008760, AC020906, AL354720, AC005183, AC010422, AC004883, AL008582, AL109936, AF001549, AC009123, AF109907,

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HSDJV24	2106	806246	1 - 2315	15 - 2329	AV682826, BE612948, BG168092, AW955746, AI922027, AV726864,

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HSDJV40	2107	623716	1 - 1579	15 - 1593	AA134472, R76288, R76565, AV714931, BE541237, BF762282, BE538259, BF762278, AV734401, AL526458, AL044340, BE867712, BE796439, AA577824, AI866487, AV762145, AA130758, BE387756, AW248523, AA613164, AI160144, AL515875, AU144517, AW023111, AV756348, AA524604, BF826830, AV738383, AV756491, AW963623, AW270385, AI954248, AL135927, AC007227, AL022323, AC020917, AL157838, AC006483, AC005874, AF134471, AC004638, AC011475, AC011442, AL008730, AL035704, AL109804, AC011811, AC005081, Z98036, AC005808, AL163300, AC008403, AP001752, AL009181, AC007963, AL109758, AC005519, AC002302, AC011497, AC005971, AL161936, Z97056, AC011895, AL365505, AL132855, AC007956, AF045555, AL109984, AL049779, AC008750, AL049776, AC011450, AC006345, AP001748, AC004491, AL080317, AC005207, AB026898, AL133545, U95742, AC003043, AC006312, AC010618, AC009247, AC002059, AC005632, AF038458, AC008745, U80017, AC008521, AL034548, AC006329, AC005004, AJ011930, AC011495, AC005049, AP000502, AC027319, AL139396, AL132777, AC007011, AC006023, AC010422, AP001716, AC008264, AC008736,

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HSDKA64	2108	600372	1 - 1569	15 - 1583	AI769271, AI345123, AW021774, AL045077, AI591299, AI590522, AL037910, BE142930, AW302048, AU125644, AV763418, AV759935, AL045709, AW975164, AV729960, AI344810, AI590459, BF725504, BF304325, AW833862, AA720702, AI334443, AI865213, BE139267, AV712414, BE270471, AW075979, AI284640, AL048925,

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HSDKE82	2109	821579	1 - 1420	15 - 1434	AC010415, AC026800, and AC008682.
HSDKF96	2110	839730	1 - 1696	15 - 1710	AU154340, AU151442, AI061313, AA584655, AW104788, AW963444, AV720457, AI625431, AW341955, AV764259, H29914, AI799545, H94853, AW341882, BF991881, AI985795, AL449690, N90460, AI922224, AA904211, BF991882, AA176978, AW023111, BE252421, AA364006, AA074252, AL045476, AI445224, AA722336, BG003443, AI719298, F35374, AI889579, AA643770, AA243976, AW518140, AW513905, AI922231, AW878926, AW847450, BF840062, AI309059, AL449689, AV720475, BF764034, AI054326, AW439703, F23264, AI680547, AI679759, BF885741, AA719523, AL138743, AL121652, AC019183, AK023053, AC007436, AC021016, AP000031, AP000066, AK023007, AK001665, AC008074, AL049843, U15177, AL139390, AL008635, AC003982, AL139396, AC002369, AC006333, AC002425, AF109907, AC005189, AC005015,

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HSDZO08	2111	827460	1 - 2265	15 - 2279	BF685272, BF529157, BF570016, BF685498, BE263686, AW960731, BE887166, AW821611, BF128705, AV690527, BF852124, AW821610, AA679300, AW821586, AU154365, AU150711, BF852355, AI807399, AU154312, AW880912, AW821589, AI804356, AW247200, BF846667, AA626071, AW139721, AI201222, AA477292, AW821588, AU151642, AI368152, AW952753, AI360170, AI016463, AW297902, BF727193, AA773068, BF846666, AW402076, AI130792, AW821612, AI379309, AI620719, AI753902, AI348187, AI360112, AI275457, AW248223, AI024997, AI476569, AA234319, BF061404, BE047673, AI318432, AA477291, AI141741, AI721268, AU145825, AI275022, BE253259, AI279077, AI277692, BF948061, AA402067, AI339008, AW948645, AW579024, AW948644, AA683067, AW304027, AW948646, AW393608, Z99396, AI889216, AA398928, AA448658, AI027410, AW821614, AA351393, AV685375, AW604896, H51123, D80741, AV660994, AW948730, AW948737, AW948743, AA437203, AJ239447, AA724225, AI863329, AA233200, AI002123, AW948738, AA972588, AV685374, AW948716, AW948729, AW948722, AA426454, AW393604, AI753730, D80740, AW948723, AW948721, AW948732, AW948740, H24981, Z99395, AW948733, AA904462, AI498750, H51162, AI863881, AA243981, AA338478, R40241, AV660979, T31304, AW948712, N50719, AW948720, AA234562, N84128, H44192, AA927026, AA338479, AW948714, AI926473, T31202, AI658531, AW948741, AW948642, AA102024, BF848877, AI187790, AI888003, Z42643, H10922, BF953319, AW821613, AA295335, AA757458, AI338200, F02144, AA729498, AW073793, T31924, D80728, AA351392, AI859457, AW302537, AW748072, AW948690, AA448754, AA323023, AW821608, AW821616, AW821615, AA324334, AA375121, AI801671, AA244213, BF823046, BF823047, AA493834, AW948707, BF734319, AI889532, BF514419, AA216272, BG152434, AA070683, AA099201, BG056243, AA127415, AA809374, AA617988, AA848038, BF902316, BE843583, AW945481, H44193, BE699302, H10865, BE924909, T06144, AA812285, R73802, AA897342, AW821609, AW079171, AW071437, AA326090, C01920, AV733497, AL117432, AF082516, AB023192, AK001505, A81344, AC006208, AF144133,

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HSDZQ96	2112	809112	1 - 694	15 - 708	BF967825, BG060116, BF513511, AI871421, AA702027, R85929, H29052, AI084152, H51124, R85483, R15453, R56135, R89620, F04686, M78730, H52732, H09019, T16608, F03984, BE964512, BG164558, AL515041, BG058217, AI802240, AL513813, AI890806, BE963968, AI701975, BF826445, AL513741, AV738991, AI744923, BE964110, BF125935, BF960601, AW081255, AL119791, AA830821, AI475267, BE886728, AL513839, BF038804, AI690946, AI955906, BE155168, AI440263, AI475455, AW268072, BE972180, BF885000, BE875407, AW301300, AI349598, AW075207, AI343037, AI345735, AI932638, AW074869, AI918408, BE138712, AI307210, AI571861, AI336662, AI313320, AI313352, BE964276, AW022682, AI307503, AI573038, W52977, BF872670, AI349787, AI349266, AI334452, AI344938, AW243886, AI312146, AI312339, AI309431, AI340537, AL041150, AI345258, AL036664, AW269097, AI307459, AI766980, AI289310, AI307507, AI340627, AI311604, AI349805, AI340603, BF970990, AI348897, AI349269, AI312333, AI862144, AW193134, AI310945, AI648408, AV757816, AI567612, AL036631, AW059828, AI433384, AA012905, BE964078, BF339594, AL110306, AI254226, AI282355, AI241763, AI582912, BE965192, BE895765, AI890507, AI446405, AI696983, AI929108, BE905366, BF904189, BE901562, AI371228, AI345114, AW268253, BF752999, AI349256, AI277008, AI312152, AA579232, AL515163, AW044029, AI886415, AI475151, AI310920, AW075084, AW160386, AW075413, BF925348, BE965621, AI349622, AI349937, AI343112, AI359163, AI334884, AI307708, AW148320, AI888621, AI500659, AI312325, BF343568, AI589267, BF924856, AI500146, BE885353, BE011885, BF870463, AW089689, AW194185, AI802372, AI582871, AI307520, AW089572, AI648508, AW071362, AI336513, AI419374, BG030538, AI281867, AL036925, AI554821, BE904051, AI269580, AI348895, AI312431, AI002285, AI336495, AI499146, AI923357, AW583117, BF036448, AI631216, AI310925, AI950664, BE897632, AI340519, AW162189, AW082623, AI312399, AI887775, AI885949, BF753053, AI306613, AI307543, AW168296, AI457188, AI345251, N27632, AW071412, AW084056, BG178911, BE962014, AW071395, AI702301, AI868204, AI889168, AI349246, AI340659, AW071377, AI311159, BE537531, AW068845, AI312428, AI612885, AI340644, BE138684, BF814447, AI345315, BE895585, AI334930, AI309443, AW130863, AI271234, AW079736, AI866798, AI310930, AI343131,

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HSEBB18	2113	877813	1 - 1283	15 - 1297	AI936931, AW518905, AI458064, BG222315, AI923997, AA531284, AI479973, AW024180, AW005113, AA847872, AA505027, AI355143, AL042127, AI336381, AI424031, AW504254, AI089878, BE046499, AA400952, AI342108, AW628184, AI097223, BF060687, AA938711, AW383161, AA460357, AA010666, AI192552, AI908882, AW504277, AW592979, H15439, AI493630, AA278817, AA478389, AI498084, BG056793, N91521, Z44046, BF436534, AA744632, AA505028, AA811654, AI252821, AA278939, R56403, BE858898, AI925800, BG152566, AI936927, AA262635, AA029464, AI335665, AI969845, AI244768, AA514247, AI824620, H18865, AA805984, AA480286, R56402, BG152589, AA460791, BE242532, D29143, R16356, AI362966, F09242, AA903201, R13899, AI365085, AA480230, F04067, F04063, AW474280, AA401031, AA864921, W06956, Z40088, AW505033, H18864, F07810, R42303, AA029530, AA011256, AA732625, F11587, F07804, AA627125, H14779, and AK000012.
HSFAM19	2114	691371	1 - 1420	15 - 1434	AX012972, AX012960, AX012971, AX012959, AJ001366, Y13431, Y13430, U04294, Z34264, AC026660, and AC026660.
HSHAG54	2115	834781	1 - 1487	15 - 1501	BG110965, AU123333, BF684670, BG250445, BG256466, BG110347, BG108562, BE779899, BG111035, BE894519, BE258919, BE892464, BE258862, AV745742, BG165519, BE536116, BF342711, BF698304, AV745439, AV745492, BF247318, AV745545, AV745748, AL121352, AV745397, AA902652, BE252720, BG254421, AV745862, BE386171, BE539498, AV745486, AV745487, AI064982, AV745908, AI623442, AA315091, AA223257, BE882954, BE897429, BE890623, BF229653, BE888410, BE614440, BE537546, AW172690, AU151310, BF229643, BF229658, BF229646, AU147003, AI361681, AU151761, AI369191, AI991998, AW673978, AI802977, AI356411, BE048482, BE208289, AI268723, AA312171, AI349495, AI189765, AA640326, AI380232, AI765733, AW237466, BF229722, AU121975, BE245655, AI435877, AA587665, AI559610, AI005223, AI889602, AU151355, AI087129,

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HSHAS72	2116	835991	1 - 4402	15 - 4416	AL521198, BE613159, AL521199, AW936890, BG170083, BG111761, BG167107, BG034471, AW952040, BG171558, BG117193, BG260922,

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HSXAX04	2117	812178	1 - 1273	15 - 1287	AL518245, AL513560, AL518244, AL527318, BE796445, BE729339, BE794797, BE729215, BF570366, BF969527, BE513213, BE797077, BE409736, AV715789, BE729781, BG165883, BF569872, BE730249, BF025786, BF971834, BE747502, BF974060, BF127469, BE394313, AI192460, BE277674, BE387113, BE408890, BF243019, BF685280, BE252479, BE274070, BE386787, BF686552, BE408335, BG179144, BG253243, AI193657, BE383115, BF109402, BE727996, AI978927, BE747511, BE313903, BF027209, BE394458, BG167026, BE387005, BE257613, BE395496, BF127655, AI819133, BE408659, AV701134, BF975755, BE297737, BE276425, BE257900, AW467999, BE409043, BF129135, BE621412, BE251025, BF132821, AV701355, BE736137, BF684777, AA151920, BF205110, AA476567, BE393897, AI589910, BE393107, BE266145, BE390224, BF132684, AA746035, AW406080, BF438288, BE745519, BF238211, BE258291, BE385352, AA224497, BE789268, BF237992, AV701339, AA476450, BE389845, AA922493, AA058904, AV712372, AA809660, AI972258, BE390228, AA031495, AI128546, AA033810, AA934757, AA031586, AI167713, BG111292, BE266333, AV736079, BE294483, BF132501, AI086942, AL513559, AI749671, AA904234, BE410720, AW069373, AA535057, BF835180, BF000188, AA224434, BF591243, AA037753, BF856066, AI189102, AA338222, AI284100, AI198266, BF239384, BF834463, H45086, AI079772, AI620932, W87609, C75448, AI498905, BE621931, AW272369, C75433, H45164, T68206, C75434, AA039244, AW473012, C75456, AA043857, AA627969, AA961372, AW192043, BF759521, AA643805, BE048627, AA916520, AU117291, AA327300, BF836781, AI247228, BF836803, AA480241, AA768298, AI187734, AF104012, AF042385, AF042386, AF104013, AL049824, AF182825, AR088270, AL033526, T57534, H45163, N79482, W87900, AL354888, AL354888, AL354888, and AL049824.
HSXBT15	2118	581088	1 - 1530	15 - 1544	AL528422, AL528393, AL520626, AL520627, AL523276, AL530988, AL520585, BE783301, AL520584, AL530987, AI218759, BF000152, AA465052, BE327503, BE674480, AI912211, AI597798, AW268385, N57571, AA613301, AI679459, AA432374, AI741883, AA464983, AI470318, AW614128, BF223302, AA431380, AA916626, AI401188, H86955, BF913327, AI352054, BF913903, H86959, AI860619,

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HSCE85	2119	855969	1 - 1211	15 - 1225	AL522978, BE895232, BG249795, BG109403, BF684731, BE295293, AL135502, BG115511, BF307855, AI459717, AA315362, BE910611, R11887, AV649022, AW578000, AV649009, AV649131, R77528, AV648997, Z45961, R51259, C17824, H09471, H90225, H80033, C18488, W84864, C17589, AI526071, C16643, AV682163, C16811, BE926416, BE766652, D12041, and AL031427.
HSIAC81	2120	783076	1 - 1899	15 - 1913	AW242457, BE897364, AV684106, AI796175, AW235567, AI796110, AI769978, AI433547, AI928348, AI628133, AI832303, AI628377, BF195862, AI627946, AV719648, AW271963, AI431929, AW779868, AW195684, AW237677, AW235515, AI590338, BE326598, AI473197, H60622, AV659846, AI700801, AA376807, AI261896, AW028505, AV654192, AW242447, AW611609, T83017, AA923053, H60623, T90211, AI492397, BE895704, BF591955, AX040086, AB017913, AF317840, AJ278964, and U50545.
HSIAF66	2121	853381	1 - 2178	15 - 2192	BF847477, AA376933, AC007250, AL161725, AL049872, AC024952, AC007250, and AC007250.
HSIAP01	2122	897538	1 - 1371	15 - 1385	AI681289, AW250880, AW963386, BF569148, BF568893, D80962, AI291148, D60025, D59869, AW450291, D81530, AI453192, AL535789, D52564, AI699978, BE300262, AI332371, D52224, T10042, BE261499, D61186, AA377091, BF984077, D53784, D61262, AA371914, AW084548, AA773544, AA861433, D61178, AI216901, AI962069, T95615, AW615652, BE047157, AW966075, AW966065, C14389, AW973473, AW978648, AV699927, AW973334, D80164, AW964488, AW978634, AW975618, AV718844, AW966053, AW966534, D80227, D59927, AV720878, D80391, AV720203, D59787, AW973488, AV718770, AW966029, D80248, C15076, AW956434, AW964468, AW960473, AW960465, AW978661, AV719557, AW966022, AW966531, AW959799, AW975605, AW973490, D59859, D80269, D51022, D58283, AW966041, AW949633, AW966059, D59502, AW966013, D80196, D51423, D59619, D80210, D80022, D59275, D80240, C14331, D80253, D80166, AW973474, AW964756, D80195, AW973445, AW975621, AW949645, AV718440, AV720028, AW975613, D59467, D51799, AW965163, AW960553, AW973541, AV699447, AW966030, AV719822, AV720791, AW966054, AV718489, AW958993, AV718692, AW966050, AV719188, AW973307, D80043, AW949641, AW966062, AW949653, AV719324,

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HSIDA33	2123	784543	1 - 542	15 - 556	R84229, BE855812, AW965963, AW731720, AW405560, AA971968, AA996342, AW339945, H53438, AA719945, AI682436, AW809527, AW085268, D45315, BE676480, AI863597, AI419590, H69541, AI002247, W03933, H67340, AI138274, AI648605, D45320, BF365277, AI610448, AA362755, AW961855, AI769304, BG261213, AI708290, AA805158, AA521175, BF823434, BF328066, R26488, AW978001, AW270686, BG260283, BF946490, AA627276, AF113007, R26510, AC008121, AC008121, and AC008121.
HSIDA39	2124	604958	1 - 775	15 - 789	AA725491, AV699745, AV699463, AW970081, AA482865, AA482861, AA513980, AV699668, and AV699335.
HSIDZ25	2125	658721	1 - 1677	15 - 1691	AW474005, AV734452, AC004962, AL133325, AC023634, AC023634, AC025106, and AC025106.
HSIEB64	2126	651359	1 - 2134	15 - 2148	AI859166, N39585, N46732, AA628729, AA988185, AI820630, AA362092, BG024098, AL049779, AL157791, AL132639, AL133299, AL034347, AC022459, AC007677, AC002422, AL133405, AC007157, AC013410, AL137003, AC002112, AP001696, AP002027, AL109653, AC026694, AL022151, AC004072, and AL133321.
HSIEM18	2127	566877	1 - 1097	15 - 1111	AW966636, AI761241, R76994, R69702, AI198828, AA385711, R77002, AI769569, AI126293, AW513171, AA772139, BE092498, AA325730, BE834234, AA598550, AP000865, AP000865, AP000865, AP000870, AP000870, and AP000870.
HSIFO61	2128	845026	1 - 2136	15 - 2150	AL532424, BE796156, BE903161, BG119647, BG115219, AV699322, BF002481, AW194103, BF038249, BE906258, BF182905, BE501114, AW518690, BE537490, BE547105, BE512805, BG115212, AW575036, BF448095, AV689102, BE465647, AA570483, BG117796, BF739874, BE889876, AW958913, BE887067, BE872403, AW611943, BE384518, BE622262, AV683442, AW571485, BG108121, AW247071, AL134627, BG117816, BE967159, BE740380, BE903834, AV705406, AV685709, BG057337, BE390982, AA532739, AI950034, BF770215, BE255357, AI831065, AI791597, BE793003, AW025209, BF027150, BF983938, AI733101, BG115901, AW072315, AW088486, AW250423, AW027992, AI872396, AI822039, AI978692, BF350738, AA526905, AV698580, AA004890, AI521711, AI859462, AI589001, AW062708, AI149487, BF362487, BE960754, AA932997, AI709015, AW269349, AW269185, AI140101,

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HSIFO61	2129	852715	1 - 2224	15 - 2238	AL532424, BE903161, BE906258, BE887067, BE796156, BE622262, BG119647, BG115219, AV699322, BF002481, AW194103, BF038249, BE547105, BF182905, BE501114, AW518690, BE889876, BE537490, BE512805, BG115212, AW575036, BF448095, AV689102, BE465647, AA570483, BG117796, BF739874, BG115901, AW958913, BE872403, AW611943, BE384518, BF027150, AV683442, BE903834, AW571485, BG108121, AW247071, AL134627, BG117816, BE967159, BE740380, AV705406, AV685709, BG057337, BE390982, AA532739, AI950034, BF770215, BE255357, AI831065, AI791597, BE793003, AW025209, BF983938, AI733101, AW072315, AW088486, AW250423, AW027992, AI872396, AI822039, AI978692, BF350738, AA526905, AV698580, BE960754, AA004890, AI521711, AI859462, AI589001, AW062708, AI149487, BF362487, AW401864, AA932997, AI709015, AW269349, AW269185, AI140101, AA725306, AW002658, AA481316, AI554225, AV651040, AW516405,

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HSIGC63	2130	877486	1 - 1736	15 - 1750	BF673354, BF368956, AI572680, BF679568, AW021674, AI921744, AW023975, BG059139, AV758849, AI444575, AA604601, BF944618, AI797998, BF030278, BG059924, BE049409, AI744963, BG180320, AI278972, AA489897, AW148821, AI702049, BF817511, AW265468, AI813920, BF813805, AA513916, AA595661, AL121039, BF030025, AW192930, AA828840, AI890283, AL138262, AW028376, AV763460, AI734076, BF849270, AI052366, AI567676, AA502450, BF131490, AW239465, BF815277, AU147781, AW850744, AA632355, BE747923, AA676462, AW410844, AA176978, AL038533, AW966254, AC015651, AF205588, AL353748, AL161936, AL080243, AC005821, AL035413, AL121712, Z98044, AC027319, AC007957, AF107885, AC005785, AL034375, AL136418, AC004847, AP001670, AL020997, Y18000, AC004228, U91326, AL117337, AC006088, AC006146, AC005937, AC012309, AC004263, AL109827, AC007564, AC005618, U95739, AL161670, AF196969, AJ295844, AL122001, AC009506, AL132659, AL049547, AC004882, AC005529, AC008537, AL031657, AP001759, AC007226, AC003025, AC005876,

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HSIGM95	2131	840382	1 - 965	15 - 979	AI376363, AI698192, AW630298, BE872393, BG236735, AW794809, AA446657, AA973803, AI291124, AA603156, AA599920, AA577906, AA533036, AI291268, AA513293, AI284640, BE042475, AW467362, BF885741, AV760937, AL046409, AW467340, R97934,

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HSJAN83	2133	825132	1 - 1078	15 - 1092	AA579179, AW974932, AV763354, AW833862, AV760937, BE139267, AL046409, AI733856, AI358089, AI801482, AI963720, AI246796, AA491814, AV764241, AI431303, BF941382, AW974109, BG222269, BE139358, AW419262, AW270619, AI085719, AW502975, BE206443, AW265385, AW500125, AL037683, AV711430, AW970877, BF681619, AI284640, AA410788, AA572813, BF827410, AV740801, AV710482, AF074677, BF677892, AW975266, BE139146, AV761925, AA904137, BF724767, AW979093, AA552856, AV761519, AW193265, AA828047, AW574794, AW327868, AA634837, AA610491, AI334443, AU147162, AV762009, AV728928, AW162288, AA525190, BE049095, AV755512, AW613805, AA420716, AI003611, AI305766, AV757607, AV763122, AI350211, AI623764, AA631507, AA535216, AW276827, AI345681, F36273, AW979060, AI345675, BG169853, AV710066, AA601253, AW327624, AI754653, AI281881, AV691147, BF940837, AW276435, AI613280, AA720732, AI761471, BF939548, AA521323, AL043009, BF681576, AI270117, AW406755,

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HSJAR59	2135	846364	1 - 527	15 - 541	AW304291, AA564975, AW410860, AL513787, AI583543, AW409995, AI754730, AW081488, AI628690, AI680158, AI458812, AI554800, AW409941, AI951461, AW410076, AI473801, AL513963, AW304715, AI433601, AI888474, AL047505, AW574561, AW575020, AW575106, AW574587, AI627864, AW574808, BF204790, AW574853, AW410575, AA595082, BE439746, AL048387, AI560211, BE906266, AW271250, AI673361, AL515063, AL514495, AI554497, AI687241, AW575027, AW304305, AI635621, AI818979, AI819975, AI628883, AI357873, AA604818, AL515071, AI434495, AW328633, AW574557,

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HSJAU93	2136	702019	1 - 1128	15 - 1142	AL523831, BE536943, BF568861, BE391349, BF981548, BE276688, BE385136, AW193687, BE790217, BE253177, BE551724, AL043161, BE393745, AW593303, AI096399, AI678769, AI083920, AU160243, AA614760, AI356496, BE266412, BE252184, BE901876, AI827252, AV762927, AI494245, BE902163, AW026766, AA579859, BE501445, AA845317, BE392841, AA837461, AI961686, BE383216, AA176164, AV746667, AW452790, BE205915, BE703237, AW511641, AA984500, AW150381, AI014673, AW967320, AI652026, BF312210, AV746666, BE258346, AW327500, AA171551, AI990752, AW237061, AA953092, BF851810, AI653702, BF062006, BG120852, AI040243, AA171879, AW250458, BF526285, BF569088, H05631, BG255019, AI453299, R43419, AW247097, BG164599, AW117744, AI557700, AU152402, AW374961, BF508069, AA171939, BF568566, BG165720, BF349124, AA336275, AW449410, AI863619, AA768725, BF841101, AA161220, AA160815, AI932696, C20767, BE867370, AA159122, AB033099, AK024028, AK001571, AK025865, AC026283, AC026283, AL157945, and AL157945.
HSJAY14	2137	813220	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344, AA460868, AU144068, AI761083, AU146971, BF109580, AW965504, BE673245, AI524818, AA447470, BE464061, AI658696, AI423380, AI338965, H11540, AW069249, BF112012, AU146230, AU157812, AW299871, W38898, AI275122, AW340682, AU157572,

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HSJAY14	2138	880981	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344, AA460868, AU144068, AI761083, AU146971, BF109580, AW965504, BE673245, AI524818, AA447470, BE464061, AI658696, AI423380, AI338965, H11540, AW069249, BF112012, AU146230, AU157812, AW299871, W38898, AI275122, AW340682, AU157572, AU157973, BE328398, AI039694, AA826343, AW271286, AI192947, W01278, AI078353, AI623122, AW293087, AA699696, BF940212, W90078, N54922, AW316610, AI189720, AA334994, AI091748, AI265915, AA035569, BE220636, AI681773, AI922902, AA704225, W90028, W90156, Z43610, N26473, N80735, N46339, N22141, R59761, AI702181, BF446901, BF478020, AI468447, AA907544, W90204, BF093175, BF093183, N49280, BF093182, BF377786, BF093180, H14783, F06663, AW162629, H90084, AW841861, AI273941, AA218898, H17532, AW244034, AW134892, AA446663, BE045884, R37769, AA476341, R84513, AA044866, H29043, AA035059, T96929, H89994, AI783518, AW051211, N35523, AU117165, R57770, AA115363, AA730657, AU120043, AU138913, W07532, BE767977, N49522, BF247400, AA424277, AA476391, T27986, AA078782, AA075788, AA065236, AA090609, AB037775, AK023630, and AK025468.
HSJAY14	2139	888485	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344,

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HSJAY14	2140	901635	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344, AA460868, AU144068, AI761083, AU146971, BF109580, AW965504, BE673245, AI524818, AA447470, BE464061, AI658696, AI423380, AI338965, H11540, AW069249, BF112012, AU146230, AU157812, AW299871, W38898, AI275122, AW340682, AU157572, AU157973, BE328398, AI039694, AA826343, AW271286, AI192947, W01278, AI078353, AI623122, AW293087, AA699696, BF940212, W90078, N54922, AW316610, AI189720, AA334994, AI091748, AI265915, AA035569, BE220636, AI681773, AI922902, AA704225, W90028, W90156, Z43610, N26473, N80735, N46339, N22141, R59761, AI702181, BF446901, BF478020, AI468447, AA907544, W90204, BF093175, BF093183, N49280, BF093182, BF377786, BF093180, H14783, F06663, AW162629, H90084, AW841861, AI273941, AA218898, H17532, AW244034, AW134892, AA446663, BE045884, R37769, AA476341, R84513, AA044866, H29043, AA035059, T96929, H89994, AI783518, AW051211, N35523, AU117165, R57770, AA115363, AA730657, AU120043, AU138913, W07532, BE767977, N49522, BF247400, AA424277, AA476391, T27986, AA078782, AA075788, AA065236,

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HSJBB27	2141	581089	1 - 1181	15 - 1195	AC009965, and AC009965.
HSKBU03	2142	839271	1 - 528	15 - 542	AA633438, AW959664, AU151406, BE789346, AA875827, AW609045, AI370463, N32919, AA835869, R98574, AI985952, AI244132, BE930760, AI985855, BG108536, AA662022, BE502108, T30161, AW377207, H96222, H89509, Z40984, H67785, BF338115, AA070702, AI624779, H82440, AA304862, BF095138, AI360226, AF114082, BE002536, BF094855, BF753746, BF094835, AW858741, BE297183, AW858742, AK001469, AK025575, AL139317, and AL139317.
HSKCQ51	2143	651376	1 - 535	15 - 549	AW411432, AI830945, AI141739, AA569352, N36100, AI093588, AI978744, AA129607, AI131280, AI697330, AA572769, AA179828, AI270378, AI697452, AA613934, AA171976, AA180412, AI830868, AI591380, W78160, N24863, AI640733, AI658493, AI658483, AI818147, AI066480, AI038151, AI074418, AI827350, AI431691, AA970308, AI079578, N90891, AA227163, AA464520, AA084338, AA612938, R51916, AA459310, AV723798, AA421653, AA347837, R78942, AW673014, F34347, BG057969, AW517794, AI202612, BF931838, H44340, N80888, AW080737, AA218676, T46961, R22209, R62938, AI033297, AW290974, AA243222, AA613817, AI184234, W20465, H53863, AI081667, AA515732, N27571, AI086770, AA203147, AA844367, W07621, AW081995, AI682869, AI751146, BG222608, AI751145, AW883989, AA464519, BF943589, BF943592, AA218772, R53199, AA004374, AI991900, AI709128, BF943544, BF943550, AV750071, BE762510, AA399173, H13879, AA366837, W79827, AW390238, AA421652, AI306411, AA394149, AA457734, AA287130, BF943546, AA284681, AA569579, AA641053, BF943548, AA453151, AA480845, H44339, AA377667, AA868146, AI521845, N31800, AI025127, N44105, W38558, H44552, AW004691, AF166125, AL110205, AL020996, AL020996, AL020996, AC016514, and AC016514.
HSKDE13	2144	845997	1 - 1693	15 - 1707	BE619048, AW015267, BF792310, AA829637, AW298133, AW195619, BE644832, AI075330, AI800632, AW117246, AI814628, BF438436, BE465848, BF055468, BF732623, AW466932, BE857438, BF059323, AI762516, BF448673, AA447344, AW170199, BE467164, BF194889, BE677847, AA497142, AI742735, AW888896, AA490551, AW274709, AA496952, AI017467, AW005357, AA418710, AA497066, BF129818, AI762276, AI131551, AA463597, AI761398, AI753058, BF063498, BF109376, AW194616, BE220193, AI371068, BE670996,

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HSKDS47	2145	719749	1 - 1145	15 - 1159	BE561430, BF335576, AW006774, AW578467, AW578450, AW578458, BF334268, N39362, W78823, AI123756, AW664969, AA629774, BE858249, AA699863, AI037904, AI950886, N27889, N21057, BF335562, BF335601, BF335561, BF335580, BF377080, N23763, BF335567, BF335569, BF335582, BF335584, AW955963, H82652, BF377072, H08729, AI097598, H40038, BF439998, AA627688, AI673647, H18949, BF377041, AI418869, T78923, N56145, T78976, D59376, BF335565, BF594216, AA662311, AA888179, BF805037, AW578449, BE763273, BF832711, R67295, AL136125, AL138722, AL138722, AL136125, and AL136125.
HSKHV81	2146	841590	1 - 946	15 - 960	BF984405, AI239622, BG180976, AL049776, Z95331, AL117354, AL031728, AC010328, AC003029, AC005249, AC009123, AC011495, U85195, AC007225, AE000658, AL023575, AL031864, AC011510, AC011742, AC008178, AC073316, AC010422, AL109825, AC005412, AL162430, AC008265, AC020663, AC006057, AP000065, AL158828, AL031723, AC009086, AL133412, AC009316, AL391833, AC019187, AC010463, Z93023, AL133260, AC004605, AB017335, AD000864, AC009600, AC008018, AC018633, AL021331, AJ007973, AC009783, AP000959, AL121900, AC005038, AL137818, AB004907, AC005225, AP001727, AL031281, AL133551, AL139352, AC002054,

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HSKXB14	2147	834517	1 - 1051	15 - 1065	BF339566, AW157432, AI858038, AW291468, BE326555, Z99349, BE219474, AI912298, AA931794, AW293181, AI380933, AI963988, AI081132, AW368492, BE217733, AI096761, AV728764, M78991, AW966134, Z99348, BG056921, BF433561, BF365839, BF365840, BF365828, BF358212, M62256, BF217030, AA334740, AI651824, BE218774, AC025664, and AC025664.
HSKYR49	2148	806548	1 - 2617	15 - 2631	BF341928, BF341966, BE873145, AW961717, AI910855, AI819835, AA781124, AW305005, BG121749, AI857662, AI024636, BG122356, AI916781, AI970596, BE672071, AI863009, AV722622, AW293479, AI049685, AW341408, AL121112, AI122833, AA969846, AL039333, AW817588, AI990539, AI651123, AW193556, AI498086, BF834700, H79471, R26882, AA219158, R91091, H17608, AL039445, R91092, R31387, R23518, AW803046, BF109077, AI142857, R10037, R32884, AA347569, BF834534, M85476, AW274689, BF475648, AW772243, AW663642, R27113, AW104356, AA725854, AW590613, AW511169, AW002471, BE251884, AA935275, AI636784, BF361654, AA219015, AI066606, AW086470, BE251491, AI016503, BE255463, AW294439, AI204388, BE699305, R44650, AA993995, AW950531, AW949530, AW961373, AW959982, AV706136, AV704490, AV704611, AV729316, AW966684, AW967372, AV728199, AW960406, AV702110, AW958225, AW959275, AV727047, AW963866, AW962367, AV703591, AW952176, AW951793, AW963463, AW954413, AW957517, AV653846, AW963234, AW955139, AV726572, AW955904, Z40219, AW963895, AV706991, AV701876, AW960271, AV703187, AW963644, AW957428, AW960611, AV708035, AV702814, AV705803, AV702402, AV653872, AV707705, AV728289, AW955629, AW964203, AV692197, AW952184, AV726742, AV725930, AV727637, AV705607, AW965869, AV706758, AW963641, AW950143, AW950018, AW951740, AW950874, AV726755, AW960606, AV649120, AW951182, AV702146, AV704029, AV728929, AV729285, AW963804, AW954000, AW964040, AW963616, AV694684, AW953809, AV652026, AV702738, AW950520, AV707067, AW949712, AV692939, AV687015, AW953797, AW964036, T17285, AV649566, AW955683, AW953788, AV658162,

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HSKYU81	2149	899335	1 - 1865	15 - 1879	BF980384, BF980216, BF036260, BG165487, BE887929, AW273517, AV728660, BG122056, AI564297, BF037874, AI341560, BF432415, AW575480, BE327112, AL517360, AW804490, AJ239463, AI912446, BE018235, BE179760, AW937838, AW580897, AI148430, AA707142, AA115102, AI075938, AW610142, BG010507, BE504481, BE899450, BE899499, AI279261, AW580826, AW610145, AW610139, AI540043, AW516238, AW610140, AI885548, AA176160, AW195258, AW610137, AA206412, AA205801, AW385769, AW952136, AW582673, AI609722, AW207274, AI817937, AI453820, BE741380, AA130688, BE042453, AI799593, AW577451, AA115103, AW071428, BG008536, BF375665, W23228, AW582691, BF798825, AA010598, BE772470, BE819775, AW582680, AI356662, AW389545, AA431301, BF761062, AI699434, BE772469, AW582682, BF990296, AW393426, AI377028, AA243181, AW338238, AI283266, BE538191, AI798323, AW582677, AI337665, BE301407, BF809596, BF984036, N72182, BF002417, BE281472, T36120, AW191866, Z40647, AW580895, BF987953, N79479, AA649118, AI864940, AA130669, AW582692, AI475437, BF900424, BE206495, F07603, AA243242, AA709234, BF209512, AA295402, H03834, R62669, BE279651,

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HSKYY92	2150	853384	1 - 1617	15 - 1631	BE073255, BE220925, AA643770, AA742818, AC004098, AL021707, AC007263, AF001549, AP001711, AF307337, AX015917, AC004531, Z99716, AP001720, AL163279, Z97876, AC007283, AC005971, AC007371, AL136300, AL132795, AC008068, AL445248, AC008536, AP000049, AL121601, AL353194, AP000311, AC005011, Z68756, AP000116, AL121897, J00323, AL133163, AC003982, AC011811, AL050318, AC020552, AL031255, AC011455, AC003669, AC005911, AC007773, AL009172, Z85986, AL138756, AJ400877, AC006441, AL133173, AC007226, AC008569, AC005324, AL049856, AL450224, and AC003098.
HSLAB11	2151	823825	1 - 3368	15 - 3382	BE620733, BE299838, BF982047, AL047632, AU139564, AW955865, BE300168, BE906867, BE147895, BG168422, BE299879, AW955858, BG112776, AV706749, AI084785, BE547092, BF966751, N21138, BF920696, BE298603, AI761396, AL047633, BF184594, BF792793, AI052111, N21198, N28890, AW298126, BE875499, AW963852, AW297747, W60949, AA129178, AA486017, BG000289, BF508695, BG003994, AA179302, R67326, AW959537, H12299, AA890236, BE080706, N27439, N27469, BF830579, AI520693, AA599094, AV719538, BF107164, BE080694, AW241313, BE620390, AW197341, AA218760, AA599111, H09389, H67339, AI650426, AI754992, BE466533, H98653, R19733, AA351497, AW511103, R38879, BF732183, H99106, R27383, BE219241, H04774, AA082514, H08728, BE891761, H90671, AI015279, AI023672, AV709706, N35716, AW236036, AW007588, T81262, AI040869, N35733, AA112744, AA621937, AW854590, H54794, AV647843, N31153, H09329, AA725004, F37306, T35040, BF184103, R06782, N26982, H08442, R74260, AW955862, AW966064, BF334147, R27382, H02450, H04870, BE871663, H89817,

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HSLAS96	2152	740764	1 - 1394	15 - 1408	M85994, AA994578, AI016704, AU147922, AV763240, AI623899, AI053786, AI053445, AV702609, AV706237, AI273107, AW268277, AA628627, AV763418, AA623002, AV759935, AW979140, AW995027, AA521323, AA563822, BE302974, AW962942, AI370475, AI859834, AW402458, BF185701, AW302048, AA501614, AA521399, H10143, AV763354, AW274182, AI769271, AW515448, AI284640, AA469451, AI801482, AW955984, BE676900, AA663966, AW276817, AW673241, AW819626, AU145521, AW339622, AI952900, AW062724, BF679710, AV760937, AV735370, AW500125, AV762111, AL046409, AV763401, AA834756, AW303196, AW274349, AA610491, BF674369, AA522942, AW571493, AI963720, AW833862, AI754661, AV762047, AV763255, AI334443, AV761786, AA682912, AA857296, AW080811, AA577906, AV763971, AW193265, W23546, AI431303, AV759274, AV710066, AW301350, AI284583, BF964699, AI653435, AA828042, AI350211, AI569982, AV762050, AV757607, AI252506, AV764307, AW472872, AV759204, AW327868, BE156413, AA133928, AV691147, AI049996, BF111579, AA524832, AA491284, AW974932, AI821467, AA857381, AI270117, BG059568, AI708009, AV762139, AW088846, AA877817, AI446474, AW977540, AA490183, BF796375, BF681619, AA491807, AA493708, AL036283, AV762826,

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HSLAW59	2153	637669	1 - 569	15 - 583	AA503015, AA515723, AC008760, AC005005, AL121658, AC006948, AP001706, AC011742, AL121890, AC005015, AC006515, AC004166, AC005412, AC005098, AC008403, U80017, AL121891, AC007383, AC006329, AC006125, AL031311, Z84469, AL035422, AP001726, AL031680, AC005874, AF134471, AL121829, AL022165, AL022329, AC004867, AC012155, AC004815, AL031846, AC005695, AC004383, AC008736, AC022073, AC011449, AC004125, AC008635, AC008812, AL118505, AL049870, AC011510, U78027, AC011895, AC002302, AC010618, AC002352, AC004854, AC004491, AL161757, AC005522, AP000654, and AP000654.
HSLCH54	2154	562018	1 - 556	15 - 570	AU131481, AL529477, BE902192, AI546859, BE869586, BF822203, BF203502, X87852, L44140, D86950, D86948, AB007932, X87831, AC018643, AB046770, AL390068, and AL390068.
HSLCH57	2155	899415	1 - 2355	15 - 2369	AL523262, AL529538, AL043069, AW084916, AL040564, AI381488, AI146820, AW161993, AV710840, AL043582, AW439423, AL043581, BE646448, BE742382, BF529932, BE677477, BE677335, AI554451, AW088167, BG171573, BG166503, AW168887, BE646180, BE046496, BF197687, AA744952, AI218269, BF594180, BF593719, AI151026, AA194202, AI418964, AI453314, AI873815, AW130388, BF913893, AA195161, AI269934, AA625370, AA719396, BE207433, AA492412, AI042024, BF573185, BG179218, AA194044, AI147243, AW340657, AA947438, AI091020,

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HSLCI86	2156	737626	1 - 1922	15 - 1936	AL037326, AW950477, AI333988, AW629024, AI633505, AI376700, AA993037, AI340082, AI287613, AI273634, N68176, T84546, AI185238, AI193099, N88438, AA452624, AA450006, H75362, AV709810, N80635, R96340, H48741, AA626068, AA449459, H60471, N92404, H60426, T82255, AA970920, H50684, R91997, W38462, H67764, R96341, T81683, T91385, AA334154, N86663, H66786, H50779, R92044, H48566, T83536, H67763, H68474, AW183248, T81474, N90061, AI560085, BE062478, AI086646, AL046519, AW963463, BG029528, AV756491, U55764, U20521, S77383, AR003684, U08098, Y11195, AC073898, AC004983, AC008102, AF235098, AF001548, AC002400, AC004797, AL136137, AL022316, AC020916, AP001711, AC018719, AC002565, AL031295, AC004166, AL158830, AL133353, AC005081, AF001552, AL133387, AP001754, AC020904, AC021016, AC008745, AC004882, AC011464, AL035587, AC007620, AP001710, AC020898, AC006581, AC005086, AL137073, Z84466, AP001727, D88270, AC005015, AP001718, AC008569, AL163248, AP001725, AC007488, AC006480, Z83826, AL049870, AC007345, AL121890, AL158167, AC004832, AR036572, AL118520, AC005972, AL136300, AL162831, AC005291, AC007956, AL121755, AC005529, AC004965, AC007193, U91328, AL157774, AC004216, AC005808, AC006329,

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HSLCS31	2157	604046	1 - 1865	15 - 1879	BE884922, AU125310, BE894385, AA745696, AW965791, AW009497, BF576749, BG164998, BE247505, AI754276, AA983389, BF770535, AA311676, AI598092, AI798903, BG027301, AA931055, W21138, AI276435, BF671607, AI277580, AI648544, AW087699, and AK022660.
HSLCS34	2158	751324	1 - 1075	15 - 1089	AU154214, BF514374, AI023835, AA583968, AA127740, AI276469, AW338435, AI061230, BF736811, AI149794, BE295075, BE786821, BE784846, AW450321, AI214561, AI970912, BF972070, BF799756, BF326332, BE645412, T58221, AA043739, AA679592, AA127804, BF996485, C15105, AW958927, AI631514, AW961410, C16569, R29652, AK001647, AC019221, and AR018138.
HSLCV16	2159	772948	1 - 2943	15 - 2957	BF026630, BF525472, BF311757, BF026375, BE315200, BE384236, BG029678, BE728846, BF027355, BF207367, BF311466, BE391121, BG249240, BE385559, BE889845, BE746346, BE384507, BF314019, BE514952, BF316610, BE387027, BF026515, BE385753, AW958716, BG034358, AW387756, AW387777, BF311701, BG166348, AW058655, AV712812, BF434690, AW387790, AW387823, AW387881, BE205929, AW387875, AW387759, AW387818, AW387863, AW387885, AI885199, AW387879, AI696938, AW387882, BE206444, AW576420, AW387835, N27479, AA457045, AA004840, AI371842, AI243820, BE391643, AI753132, AA042937, AI401039, BE208742, AI620938, N21206, AI075795, BF951267, AA827532, AW952741, AA961462, H17738, AW818342, AI138762, AI124836, AI752279, AA401155, AA456889, AI702256, R72316, AA400981, R59036, AA043037, AI038154, BF508433, AA251449, R72279, AA429858, BE392526, AA081310, N99653, H08163, AA679413, AW502829, AA026365, N71703, AA338257, R58972, AA081311, BF764044, R34391,

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HSLDW54	2160	853386	1 - 1405	15 - 1419	AW953709, AU145980, BF681462, AI963674, AA604920, AA604512, AA602341, AA602613, BF694965, AV687299, BE564307, AA214047, AW853687, AI049591, AA506540, AW866434, BE178526, AW902128, AW866436, AW866430, BE145548, AA551394, AW855356, AW934969, BF883928, AU119708, AI537997, F29519, BF874935, AA366464, AW813014, AW438596, AA631500, AW855353, AW953693, T81440, BF852810, AI932609, AV704081, AW995969, AA366571, T69164, AA605054, W01000, AW074527, AW866337, AA503427, BF694852, AA848158, R95100, AW866268, T98359, T68422, AW858120, AW363563, H78215, H02561, AW866569, AA907155, T81439, BF823033, N73816, BE709511, Z27100, AA866015, N21656, AW978714, AA243867, AW129543, H78415, H71552, BE926891, AW893701, BE926874,

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HSLEC18	2161	722249	1 - 2029	15 - 2043	AW961058, BE276075, AU121412, N37065, BF351140, AU147230, BG059546, AA826487, BE677298, BF926873, BE782818, AA339231, BE409714, AW838669, AW813515, AI733856, AA904211, AL138182, AV703785, AA502991, AW328000, AI815210, AV721136, AV723445, AV695478, BE062478, AW026305, AI421950, AI419337, AA120920, AI696878, AV764259, BG029528, AI361090, BG112362, BF805088, AI573198, BF955661, AA425924, BE062476, AV759632, AW833901, AA503298, AV757289, AL038842, AI859438, AA812684, AW238253, AA714110, AI962030, AV704541, AL042373, BE063437, AI612142, BE138594, AA578621, C06004, AI799569, AW341978, AA832175, AA765925, AA483256, AA857812, BF939548, AI049955, BF882608, BG000961, AA515728, BF527070, AW327624, AI752365, BF763954, BG222564, BG222326, AL047349, AI689198, AW574899, BE062211, AI025930, AA182731, AI904840, AW571499, AI362442, AA846923, BE327876, AA613624, AA598892, AI653776, AV762975, AW855528, AW274191, AA652834, AI762528, AI887235, AW410784, AA349193, AA833896, BF093598, AK022178, AF119908, AL031602, AL133294, AC010480, AC005231, AC004824, AP001705, AC007292, AL031311, AC008892, AC005081, Z84466, AL158830, AC004922, AC004089, AC006211, AC002316,

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HSLEG59	2162	637671	1 - 1470	15 - 1484	AW590797, AW854935, R96638, R96686, AC005042, and AC010432.
HSLFR59	2163	853388	1 - 2851	15 - 2865	AU118191, BF531111, AI935420, AI950396, BF691154, AI760906, AW964648, BG169353, AI823525, AI684614, BE879453, AV733446, BE935950, AV737808, AI889406, AW959123, AW298750, BG164609, BE936020, AI934459, AU134997, AI823526, AW130074, AA725227, AI935332, AU155756, AI768388, BE935951, N80103, AA282000, AI265885, N64669, AW148816, N64349, AI446266, AW361257, BF436535, BE935962, AV733555, BE832563, BF362455, AI631382, T80559, AL046391, BE935945, AA385985, R38924, H44506, T30968, R61790, R41997, R86298, Z43322, Z39397, AA151360, BF445279, R17319, BE935979, AV690022, AV696526, R86299, BE009546, BE926179, R61789, AV691315, N55937, AA280616, AV686905, BF090175, BF090178, H44459, AW975618, BF087294, BE938253, AL119487, BE699226, C14331, D80043, C14429, AW973541, AV699550, D58283, C15076, AW966053, D59467, AV718489, D80164, AV701004, AW966029, D80188, AW966531, AW962082, AV724520, AW960465, AV722801, AV718692, AW958992, AW959628, AV718707, D81030, AW965177, AW949631, AW960553, D59859, D80022, AW978634, AW973482, AW966534, AW959597, AW959570, AV719557, AV718440, AV720028, D59502, AW973334, AV718844, D59787, AW973485, AW966013, AW959799, AW966041, D80166, D80195, AW975621, AW973307, D51423, D59619, AW978661, D80210, D51799, D80391, D59275, D80240, D80253, AV719822, AV720791, AW966054, AV720203, AW966050, AV719188, D80227, AW966062, AW973474, AV719324, AV719783, AV718633, AW975605, AV718800, AW966065, AW949632, AW753053, D50979, AV720211, AV720464, AV718770, AV720731, AW959202, AV699447, AV720812, AV723927, AW965163, AW964488, AW949641, AW949656, AW949654, AV718530, AV699927, AW949642, AV718931, AW964756, AW966022, D80212, AW959136, AW949655, D80196, AW965184, D80219, D80366, D57483, AW978648, D59927, D80269, D59889, C14389, D80038, AV718938, AW949618, D80193, AW958993, AW960473,

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HSLGD91	2164	883491	1 - 1258	15 - 1272	AI956087, BG231957, AI949204, AA706438, AA043129, AW166890, AI827063, AL134574, AW168952, T15691, AA454745, AI826543, AW024703, AI352667, AI125623, AW300548, AI370380, AI288057, AA232816, AI372064, AA233870, AA926958, AA447193, AW439052, H60436, H84776, AW593600, AW969534, AA922599, AA218629, AA570089, AA894833, BF353213, AI873954, AA411348, AI521589, AI559741, BG110768, BF925392, AW020415, AA582684,

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HSLGF66	2165	596824	1 - 1515	15 - 1529	AC005610, AC005610, and AC005610.
HSLGF70	2166	741063	1 - 1300	15 - 1314	AA804322, AL121714, AL121714, AL121990, AL356475, and AL356475.
HSLGP68	2167	853389	1 - 2340	15 - 2354	BF954481, BE220333, AW961957, AW135445, AI479842, AW900421, AI732873, AA916954, AI918149, H42422, T08236, R44234, AA804680, AI362949, AA322897, T16405, BF948538, M78985, T23200, AL119544, H42848, AA829792, AA694554, T80479, T16168, AA326223, AW903956, R19679, R41538, R38909, R49277, R15114, AW904633, AW089379, AL039458, AV706527, AF062711, AV682323, BG254965, BE084795, AL042515, U40215, AF077737, A65340, S68736, AF169154, A57389, AJ131955, AC015995, and AC015546.
HSNAB88	2168	600324	1 - 730	15 - 744	AW952046, AW962407, AV703542, AW961841, AW955615, AV706910, AV706223, AW952579, AW959858, AV727238, AW950520, AV728874, AV728436, AV703591, AV706851, AW949351, AV704954, AW963601, AW963868, AW960600, AW963847, AV726502, AW952064, AV707831, AW962978, AW954336, AW949534, AW966619, AW963108, AW953804, AW955723, AV726392, AV703766, AW950443, AV704180, AV702322, AW958102, AW962392, AV727314, AI535639, AW960071, AV703266, AV709551, AV658784, AW954428, AV705518, AW952196, AV707146, T18597, AW965148, AW953788, AW950446, AW951241, AW951562, AW949441, AV704660, AV705012, AV705550, AV703366, AV707329, AV704611, AW967181, AW962934, AW964540, AV726830, AW954994, AW961510, AW963446, AV728309, AV708850, AW962983, AW952419, AW951728, AW949327, AW952592, AW967328,

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HSNAH56	2169	825116	1 - 358	15 - 372	AI379115, AJ251973, and AC068053.

HSNAN38	2170	853391	1 - 413	15 - 427	BE349090, AI741178, AA258994, BF940163, AL045979, AI769186, AA972509, AI470490, D60661, R69877, R34241, AW182712, AI819101, AI380453, AW954228, D50957, N89997, AA643966, AI539487, Z40228, AA864314, AA480309, AI094614, AA465527, AW471236, AI027372, AI363240, AI097239, AI765597, R33075, R25383, H65013, T30117, AW166699, AI219217, H19322, N71819, AW192379, Z38164, H16574, AI005245, F03089, BG026940, H05711, R32881, D62630, BF352127, D63034, N46543, and AC010184.
HSNAO19	2171	638294	1 - 290	15 - 304	AA640108, AI923927, AA493903, H29559, R48979, W67973, R38184, W95383, BE826168, AW960154, AI810345, AI089325, AA807829, N68138, AI090480, AI460130, AI708050, W56152, T57082, AA112633, AA367581, BF853811, BF878399, F11092, H57121, BF878401, BE825482, W67837, F10871, U73507, N46793, AA324910, W79760, W16734, AA447410, BE825488, BE825518, BE825374, BE825405, BE825467, BE825484, AW844119, R81998, D25913, BF852389, Z41375, BE825473, AW945337, W19736, AW945335, BE825651, N56445, BF835061, T64536, BF854133, BE825481, AA025514, BF854278, BE825345, T70003, AW945349, D45480, AW945339, BF917978, AA367353, BF853742, BF877792, BF877793, AV647250, W44710, BF982173, BE747350, AW945296, U54706, U48354, W69088, AC027277, and AC027277.
HSNAQ52	2172	600402	1 - 386	15 - 400	AA400248, BG114357, AI074196, AA814996, AI765866, AA558027, AA746234, AW784758, T99920, AU151248, BE891603, AI114816, AI340063, AI016350, AA400552, AI056671, AW794915, Z98884, AC002070, AF274857, AC011815, AL391666, AC004106, AL442064, AL022160, AC004691, Z82190, Z97205, AC009508, AC004830, AC023514, AC066606, AC008162, AL358293, AC026200, AC026217, AC026199, AL035468, AC007402, AC016950, AL033530, AL136999, AL445123, AC002386, AL357752, AC004070, AC019155, AL445215, AL035701, AC007969, AC005157, Z93931, AL009047, AL080314, AL136460, AC004012, AC006568, AC025030, AL391867, AC005323, AL390195, AL138828, AL442166, AL163284, AC006021, AC005303, AC002559, Z86064, AL354773, AL121953, AP000695, Z95152, Z84475, AL049175, AL049767, AL365193, AC000392, Z83818, AL133512, AL121724, AP001254, AF240628, AC004942, AL136234, AP001726, AP001679, AC068405, and AC012429.
HSNAT08	2173	825136	1 - 689	15 - 703	AA047715, AI174766, AI150475, AA442105, AA454041, AW995665, AI138888, AI138886,

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HSNAW06	2174	580248	1 - 661	15 - 675	AA553514, AI479400, AW511442, AI784463, M85464, C00582, AI022386, BE070260, BE070199, BF515546, AI333592, AA861406, AW205390, H78851, BE064048, BF988073, AI951965, AA244041, AI733444, AA988992, AI339557, AI347914, AA309315, AI791765, AP001575, AP000782, AL034402, AC026189, AC023480, AC025614, AC018503, AL139109, AC004998, AC004835, AL034408, AC009507, AL133329, AL035427, AC004506, AL109954, AC040163, AC011815, AC010719, AC069550, AC006983, AL133338, AL133348, AL353152, AL136296, AC002980, AP001693, AF223391, AL079333, AK022355, AL137013, AC005939, AF240627, AC010251, AL009175, AL109800, AC016956, AC007564, AC007163, AL160237, AC008833, AL138773, AL163218, AC016622, AC005284, AC020750, AL050305, AP001607, AC005084, AL133514, AP001724, AC004993, AL163248, AL390023, AC008528, AC006482, AF064858, AC004502, AC000022, AC002080, AL163278, AL354653, AF164343, AC010089, AC010470, AL163282, AC006338, AC010088, AC008413, AL360270, AL355530, AJ229041, AC006004, AC008269, AL109654, AL365214, AC006399, AC068323, Z96074, AF042091, U82671, AC004087, AC005771, AC022407, AC003664, AC025030, AL358133, AC004140, AL391474, AL121774, AL121575, AC078845, and AL139332.
HSNAW37	2175	600403	1 - 418	15 - 432	AC009331, AC009331, AC009331, and AC009331.
HSNBJ05	2176	695758	1 - 780	15 - 794	AL517635, AL521437, AL518922, AA203196, AW629713, BE562594, AW057898, AW958373, D78778, BF033334, W55901, R69926, AW957391, N80401,

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HSNBO90	2177	600330	1 - 411	15 - 425	AI122784, and AW838136.
HSNBQ36	2178	784994	1 - 1475	15 - 1489	AI341472, AU146772, AW954401, AI476677, AU157128, AW954399, AI890322, AA450200, AI567670, AA937879, BF333227, AI921443, AA373347, BE047177, H83781, AW024413, AV697458, N69788, AA877046, T32821, AA888265, AI261814, AV738820, BF588568, AI525978, H83924, BF333220, AA610297, Z25236, AA501507, BE079511, AK000673, AK001990, AL121809, AL121809, AL121809, and AC011033.
HSNBS39	2179	617125	1 - 309	15 - 323	AA071491, AC004264, AC004264, and AC004264.
HSOAE34	2180	786645	1 - 660	15 - 674	AL513755, AI961589, AL514473, AL513999, AL513977, AL515235, AI249946, AL514015, AL513597, AL513723, AI470293, AL515307, AL513907, AL513631, AA830821, AI273189, BE084795, AL513553, BE965732, AI267379, AL514357, AL513693, AL514511, AL514087, AI954080, AL514867, AL514627, AI686781, AI637584, AI583065, AL514543, AL513779, BF814449, AI538850, AW129456, BE966927, AI569975, AI583578, AL513979, AV728592, AI828734, AL514701, AL514097, AI370322, BF727091, AL513781, AW051088, AI590021,

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HSOAT44	2181	847357	1 - 636	15 - 650	<p>AI460316, AI590072, AI345974, AW955003, BF732609, AI346596, BF061650, BF196825, H11332, AI369226, AA088749, BE463688, AI066615, R71792, BF507438, AA580058, AI277827, AI291600, H09800, H40219, N53326, W51854, F21820, N48179, R71842, AI628402, AI471044, H26232, H08763,</p>

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HSOBB94	2182	838617	1 - 743	15 - 757	AI948491, AW450917, AW450396, BE217772, AI949813, AA743584, AW466882, BE504863, BF059575, AI628938, AI073854, AI564121, AW438632, AI687141, AI364994, AW510570, AI034276, W58250, AW235541, AI769861, BE674342, AW771224, AW236106, AI222131, H19667, AA814964, H19668, AA504328, AW074675, AI458175, AW235144, AA883261, AI351534, AA977064, W58249, R42461, F10472, AI245284, R38555, AI919535, BF036304, AA713664, BE169956, AI631614, AA366782, AA433999, BF932025, T25725, W07133, AA279585, N31803, BF754840, AR044137, AC018639, and AL359770.
HSOBH11	2183	794000	1 - 804	15 - 818	AA342587, AV720211, and AW973541.
HSOBP75	2184	778361	1 - 807	15 - 821	BF590298, AA677311, AW971355, AA524669, AA992372, BF114792, AW316907, AA215539, W21147, AI474295, AU145114, AA829113, BF058739, AA829155, AA488917, BF432970, AA215379, AI266730, AA935527, BF433298, AA678390, AA757409, AI868461, AW014576, AA558718, AA649149, AI372973, W02285, AI656253, AI968399, AW579206, AA252470, N74029, BE348433, AI698148, BF447895, BE218061, AV724520, AV718692, AV718489, AV720203, AV699447, D80366, D80253, D51423, AV723927, D59619, AV719783, AV720464, D80196, AV720731, AV722801, AV700889, AV718844, AV699927, D80219, AV699479, AV742001, D59927, AW973447, AV720812, AV701125, AV719822, D59275, AV699746, AV701043, AV701017, AV701431, AV700229, AV742667, AV701154, D80134, AV719000, AV701248, D80045, AV699550, AV720220, AV721784, AV720211, AV745080, D50995, AV701166, AV720150, AV701344, C75259, C14389, AV701021, C14227, D59889, AV701428, AV701149, AV743601, AW949645, AV742720, AV699411, D80022, D80038, AV744934, AV718681, AV700622, AV718707, AV701332, D80043, D58283, D80210, D80193, D80240, AV723097, AV699669, AV719324, AW959570, D80391, D81030, D80195, AV699682, D51799, D80188, D80227, D80168, AV745831, C14014,

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					A43601, A63261, D88507, AR016691, AR016690, X60736, A70867, AR008408, I79511, A64136, A68321, and AB033111.
HSOBW65	2185	778388	1 - 721	15 - 735	AA614055, AW300169, BE972714, AW852929, AW852930, BF888260, AW858714, AL133944, AI133350, AI831929, BF917040, AW992176, BF761884, AL119415, AA552771, BF762733, BE001692, AL132875, AL133344, Z99128, AL360076, AC005389, Z81008, AC003035, AC025463, Z69733, AL392173, AL133480, AC008912, AC015550, AC005969, AC007363, AC005833, AC009318, AL008626, AC002457, AL139109, AC003667, AC007744, AC002487, AC010223, AL354750, AC011299, AL117258, AC005062, AL096827, L11910, AL109799, AL031278, AL049781, AL390027, U01882, AL008710, AL049829, AC011890, AC002564, AP000083, AL049697, AC023425, AL032821, AC024153, AP001412, AP002528, AP000152, AP000011, AL122057, AF036938, AF101874, AL049564, AC005535, AL159988, AL033397, AL139099, AC000053, AL356800, AC002075, AC005828, AC008468, AL391384, AL109913, AC009411, AC004914, AL050309, AC004992, AC011422, AP001669, AC003971, AP001728, AC006367, AC007683, AC005061, AC006581, AL121578, AL157701, AC006988, AP000360, AC016925, AC008536, AC008282, AL163213, AL160231, AC000004, AC007436, AL109756, AC002524, AC010685, AL354833, AL353706, AC000110, AL137182, AC005014, AC008012, AC011716, AC002060, AL121590, AL357153, Z82975, AL049177, AL035552, AL031785, AL121982, AL137022, AB042234, U92032, AL391071, AL139395, Z73986, AL136234, AL163207, AL139340, AC008041, AL121901, Z84720, AL031286, AC007750, Z84719, AL121869, AC010200, AC008109, AC021863, AL136297, AC009479, Z80900, and AL355980.
HSPAA89	2186	825099	1 - 1358	15 - 1372	AA522884, BF515759, AW008061, AW273087, AI739595, AW849503, AL136131, AL136087, AL049553, AL033380, AL109615, AL109615, and AL109615.
HSPAC13	2187	605047	1 - 566	15 - 580	AW968795, BE645637, AA400510, AI377798, BE302259, AI074544, AW592484, AI809907, AI074547, AA701336, AA682786, AI123675, AW971817, N20113, AA934627, AA490971, AI206073, AI086123, AA894801, AI269105, H99771, AI567275, AA653155, AI696513, AI911979, H72002, AI351121, F04139, AI480376, H93349, T79584, N75117, AI223117, AU154506, T10723, BE139606, N33293, N23993, and AF163473.
HSPAG75	2188	884779	1 - 2106	15 - 2120	AW022955, AI961589, AI370623, AI568773,

				AI873638, AI627714, AI927233, AI933992, AI468872, AI699011, AI628325, AI886055, AI371984, AI538980, AI590043, AI679550, AW198075, BG250115, AW170773, AA514684, AI565970, AI879377, AW089844, AW020328, AI633061, AW163834, AW080346, AI372009, AI537677, AI620075, BE877326, BF868489, AW150750, AA279795, AI624693, AW025279, BE393359, F36855, AL513867, AW085786, AI520809, AI589428, AI884459, BF812960, AA731711, AI538692, AV728592, AI619820, AI696583, AW008085, AI050084, AW089275, AI690969, AI287476, AI250646, AI919593, AI568293, AI560679, N25033, AW088591, BE393784, AW025464, AI539153, AI365256, AI863665, BF871314, AA808175, AI918955, AW168875, AW189196, AW029611, BE963954, AI439452, AW020046, AI684164, AI698391, BF814449, AI620015, AI862139, AI765469, BE967292, AI435268, AI269988, AI669864, AI583578, AW081866, AI890628, AI540754, AI564749, AI309306, AI887785, AL045349, AW264009, AI619631, AI634305, AI638644, AI802240, AI696340, AL079799, AI624516, AI571529, AI597789, AI673363, AI433611, BE875959, AI889916, AI638582, BG167393, AI270183, AI917963, BG030601, AI282346, AI570857, BF750886, AW131282, AL039011, AI345010, AI357599, BE966968, AI918370, AL514205, AI872148, AW080076, AI096771, AI524671, AI950937, AL513817, AI687568, AW080700, AI554444, AL079728, AW151034, AA806719, AA832154, BF527697, AI677797, AA838230, AA837930, AI537643, AW952414, AI813579, AW191844, AI560099, AI421149, BG117418, AI889953, AI954422, AI312542, AA575874, AW265004, AI499963, AW169654, AL080011, BG113299, AI619513, AI524663, AI869765, AI287326, AV758803, BF751710, BG254754, AI925680, AI678446, AI095119, AI582367, AI963291, AL515191, AI224373, AL046942, AI798571, AV755821, AI932794, AW152182, AW834282, AA470491, AI141288, AI890507, AI648458, AI560011, AV726125, AI689614, AW160916, AI686852, AW088560, AI803740, AI301710, AI356470, AA835966, AA916133, AI536685, AI871703, AI648684, AI280751, AI432570, AI355277, AW088793, AI826230, AW008166, AV756794, AW085373, AW080746, AI139802, AI561356, AI500113, BE962485, AI866419, AI963191, AW129200, AI832457, AI473845, AI307285, AW168451, AW089006, AI095003, BF796402, AW044367, AW236186, AI653402, BG114478, AA928539, AI859644, AW074702, BF813177, AI954721, AI866691,
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				AI679266, AW172607, BF033757, AW194185, AI041011, AW089732, AW190042, AI524179, AW189332, AW188840, AI289442, BE881597, AI812015, AI679800, AI683897, AC008282, AL389935, AF126488, S82852, AF114784, AJ005690, X63162, AL359620, AL137530, AK026533, A76335, AF067790, X79812, X66862, AK025209, AK025465, AF113694, AL137267, AK026506, I48978, AF217972, AR029580, AL133568, A65340, AF090923, AL133088, I89947, I33392, AF119909, AB048881, AK026613, AL080156, AF182215, L04859, AL133559, AC008897, X76228, AL137539, AF067728, AX042059, AL137478, I46765, AR034821, U35846, AF126372, AL137627, AB028451, AF017152, AF047716, U79523, AF111845, AL049339, AK026541, AK024974, AK000083, AL442082, AF113019, A65341, AL117587, X83544, AL137271, AK027103, Z82022, AL355713, AK025798, AF084644, AF084645, AL161964, Z97214, AK027096, AK025484, AJ250403, AK026086, E12579, AF116609, X89102, AK026571, AK024546, A70386, A18777, E03348, AK026894, AL137557, E03349, AK000432, AL359600, AL117416, AL137459, A91160, AF180525, A91162, AF013214, X99257, U76419, AK025092, AK000655, AF081571, AL137555, AF081197, AF081195, AL050366, AL355701, AK026374, AK026182, AP001699, AK025407, AR083279, AF159148, AR082685, U42031, AF177401, AR083283, AL096720, AX019230, AC005341, AF183393, Y10823, AR068751, AK025391, AK027095, AC008482, AL117626, AL137431, S69510, AL096728, AL137479, AR038854, AF130099, AK026408, AK026389, A57389, AK026648, A77033, A77035, AL132655, AF131821, AF113222, AK027222, AF130075, AF260566, AF151109, U73682, AX019229, AF130102, AL133619, AL445220, AP001605, AF119899, AK026057, AK026746, AL117460, AF132730, AX020124, AL080148, AK000653, AK025658, X97332, AF119337, AF218000, AF111851, AF116650, AF116646, AL359623, AB047631, AK024747, AF287051, U87620, AC007597, U75604, AL137526, AR012379, AF217989, X80340, AB048974, AF217977, AL080234, AL122100, A58545, AF188698, AL137254, X99971, AL110224, AF108357, AF102578, AF104032, I68732, X98066, AK027114, AR083266, AX013711, AK026504, I48979, Y11587, AK024594, AF036941, AK000137, I52013, AF031147, AK025119, AF080622, S77771, AL080139, Y09972, AL133049, AL137480, AK026631, L24896, AK024570, AF116691, AC008282, AC008282, AC068223, and
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					AC068223.
HSPAI20	2189	588409	1 - 1453	15 - 1467	BF512203, W27181, AI168031, AW268620, AA853983, AA345138, AW850160, N55388, AW899117, AC025125, AC025125, AC027796, and AC027796.
HSPAL59	2190	851816	1 - 1903	15 - 1917	AA614363, AC069037, AC069037, and AC069037.
HSPAY90	2191	827308	1 - 1150	15 - 1164	AL518874, AL518352, AL531160, BF975238, AL533585, AL517989, AL517496, BG028349, BG112007, BF183105, BF972055, BG171718, BG249784, BE787897, BG178139, AV724864, BF338934, BE274418, BF035106, BF968887, AL514849, BF345004, BE390806, AV727108, BG259201, BF037622, W51805, AA775425, AA401252, BE408901, BE549365, BE876287, BG114854, BG163726, BE728402, BF081964, BF528676, AW574532, BF347054, N98918, AW381438, BE263542, AA706258, AW381395, N36971, BG259999, AL515443, BE790188, N31973, BE274571, AA130894, AW247850, AA894915, BE082535, AW409685, BE410949, BE410878, AA780051, N25622, AA176795, AI302723, BE389284, BE707516, AA456811, BE296421, AI880397, BE543865, BG105658, BF345941, AI766660, BE293166, BE304495, AV725422, AW995170, AW799315, BE281055, AW799318, BG257099, AI301068, AI951960, BE676085, AI052112, AI086588, BE464795, BG059714, BF378631, BG033998, AA907302, AA888788, AI351082, AI962953, AW303834, AI669217, AW027315, BG109985, BE857727, AI693983, AI749197, AI819395, AI039592, AA872604, AW799323, AW372701, AL045180, BE270681, BE276875, AI935975, AI299484, AA434031, BF732869, AW130608, BE901286, AI635008, AI963385, BF341867, AW770825, AW612981, BE562177, AA863309, AI361847, AW150840, AI275841, AI220546, AA113271, AI077713, BE729395, AW264230, N63705, AI828486, AA858177, AW068492, AA156443, BG108614, AI582130, AI082766, AI762988, BE207857, AW515227, AA132526, AW467963, AA488239, AA076034, AA811818, AI923777, AI347978, AI298742, AI186710, AA133895, AI056805, AA846531, AW770388, AI347728, W92825, BE252401, N73487, AI085478, AA133932, BE797093, AA758935, AI627923, AA524342, T28803, BE465525, BE206282, AI951545, AI336367, AA551366, AA570033, AW087836, BF342349, W46982, AA252518, AA883265, AI809034, AI524002, AI857876, AI683329, AI978706, AA845573, AA588727, AI201117, AI141834, AI686911, BG171340, AA576055, AW249557, AI703097, AI040444, W46990, N35608, AW084692, AA132712, AA631756, AW955138, AW131461, AA707612, AW058312, N67024, AI049698,

					AA101484, AA454858, AA157495, BE896341, BF348202, AI028707, W51995, W93294, AA610576, AA464703, AA113315, AI269942, F32980, AI445848, AI633101, AA488625, AA100237, N34220, AW591479, BG260874, AA147571, W46877, BE901502, AA782036, AA160829, AW439755, W90510, W22955, AI354296, AA806175, BG259288, AI061044, N54842, AA599025, AV724135, AW062557, AI972616, W69737, BF530178, AA158164, AA047199, BE894548, BG117736, AA729684, AI079665, AI304784, AI400701, R39814, AI273744, AA722594, AA079833, AC005081, AF045555, D26068, AC004542, AF139987, AF289664, AC016675, AC016675, AC004956, AC004956, and AC005081.
HSPMF63	2192	815251	1 - 1166	15 - 1180	BG261286, BE613096, AW975893, AI949933, BF681247, AI672317, BF038200, AI949924, AW242795, AI917296, AI346981, AW190720, AW007100, AV731577, AW021072, AI814146, AI796105, AI638594, AA866023, AI619434, AW590477, AW003796, AI812007, BE962647, AA447920, AI631666, AI333211, AW205078, BF434949, AI683535, AW300033, AI346605, AI990112, BF064254, AI625132, AI219765, AI961275, AA975051, AI142290, AA192363, AI990673, AA009710, AI627502, AI288494, AI308214, AW470850, AW090253, AW073263, AW512150, AI374953, AA256197, AA448857, AI262452, AI221508, AI367727, AW590848, AA568142, AA411745, AA181091, R42503, AA101926, AI918779, T66301, AI653218, D53906, F09853, Z40709, AI264433, AA781785, AI446595, AW270932, AA099176, Z19307, AA009820, AA458681, Z19292, AA458682, AA909801, R49300, AA923768, AI625873, Z28455, AW023519, D58132, AW194887, AA082694, W26023, BF687619, T06286, AL526742, AW512678, F02827, F03922, AA135779, BF929560, AW957917, AA411744, AI683218, AA463547, AW957841, AA182624, BE972632, AA135735, AW364744, AA578970, AW957839, AI206023, AI652407, Z19306, AK000282, AL109613, AK026988, AL033383, and AK025526.
HSQAC69	2193	876528	1 - 2042	15 - 2056	BF970581, AV695085, BG117166, AV686338, AI341460, AW173384, AV693976, BF032394, BG024316, BE893802, BG254562, AW055235, BG170478, W39204, AW978735, BF572731, AW968956, AI909118, AI909124, AW592429, BG171038, AW118938, AI689438, AI419443, AI801242, AW438695, AI123971, AA707755, N59864, AA974210, AW130020, AA489046, AW298736, AA768780, AI146982, AW768627, AI093766, AW889585,

					BF111650, AA284319, AI535676, AW579265, AW874520, AA907244, AA279581, BF185409, AA983814, AI955386, BE622718, N59886, AI859864, BG171039, AI498376, BG116650, W01363, AI699807, AA824487, T86598, AA994605, AW044013, AW768600, T85108, AA489144, BE895361, AW271482, AA811658, AI631722, AW021293, R64514, T77523, T77559, AA736753, T86597, H44608, AV689519, AI955411, N90263, H94626, AL119283, AL119309, AI909117, N77027, N79005, AW105078, N62828, AI334730, AI701272, T07505, AW376940, AW848643, AW243861, AI909110, BG007292, BE162291, T84177, BF797821, BE162293, AC004227, AC004804, AL022153, AC006840, AL355871, AC006197, AC008125, and AL122013.
HSQAH14	2194	824077	1 - 811	15 - 825	AI913286, BG231922, AI921303, BE217833, BF062967, AI342492, AW969128, AI817527, AI633711, BE044646, AA809406, BG034430, BE746835, AI206628, AA135687, BE223060, BF968123, AI751154, AA805066, AI808447, AI620100, BE880358, AA838657, BF196091, AA665812, AA017290, AI262963, AA961164, AI625458, AA279394, R54878, AI473681, AA505089, AA633051, AW298425, AI935753, AA633044, AI198672, AI208301, AA494096, AA769780, AA706082, AA838100, AW152081, AA037031, AI571960, AI766540, AW073400, AI540551, AI624338, AI860111, H03424, AI955428, AI268184, D80690, AI202318, R54615, AI679056, AW953932, AW339375, F09053, AI559498, AA300590, R26259, AA364522, AW365882, BF695173, R62387, H04131, R25429, AI378991, AA037030, BF214286, AA135674, AA912319, AI865259, AA804470, AA765486, BE746461, AI823314, AI828246, AA031563, BF214128, F13634, AB020669, AL158163, and AL158163.
HSQAX94	2195	838800	1 - 3093	15 - 3107	AW975889, BE890437, BF792753, BE869457, BG111630, BE272261, AW957910, BE876867, AW957835, AV721037, BE271952, BE897250, BE551907, BF439965, AL524267, AW173342, AW895276, AA478670, AI968093, BE897362, AI379615, AI634726, AW338720, AW104590, AI683681, AW169497, AI421606, AW589842, BG169495, AA694059, AI970918, AI432425, AA258286, AA234386, W49607, AI417965, BE892701, AI359750, AI672733, AI094753, AW663999, AI359735, AI421216, AI421807, AI492071, AW169163, AA406244, N50451, AI400745, AW051859, BF446971, AL524266, AI770144, AI418973, N94584, N22975, AW009450, AI423399, AI522259, AW150839, AI358559, AI688047, AA970514, AI768455, AA305807, AW243536, AI399686, W49640, AI280345,

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HSQBL20	2196	780518	1 - 925	15 - 939	BE314383, BE314614, AL526654, BE299769, BE793981, BG169374, AW954259, BE562848, BE378930, BE734071, BE909515, BG104296, BG033871, BE747341, BF797817, BE299485, BF794604, BE746897, BG122869, BG167071, BG034266, BE908702, BE727730, BF685899, BE395862, BF182912, BE790614, BG163782, AW083133, BE909582, BG260849, BE796177, BF965565, BF670742, BE388203, BE395868, BE394078, BE646595, BE856879, BF540879, BF211588, BE910372, BE907392, BE382785, BE796960, BE549227, BE409116, BE267225, BE907673, BE902754, BF033419, AW161771, BE393849, AI857962, BE261934, BE394100, AI796684, BF312383, BE383013, BE390750, BF668494, BE909319, AI857384, BE389034, BE280604, AW189860, BE265913, BE262080, AI609399, BE394379, BF796298, BF038570, BE280536, BG164278, AW512354, BE313186, BE547286, AA527279, BF033447, AL526627, BF664642, BE740924, BE564799, BE396768, BF248224, BF036294, W20087, AA176944, AA614051, BF664910, AW955467, AI923228, BE263046, BG119158, BE393256, AA031702, AA772393, AW513299, BF701276, AI805155, BG177758, AA528094, AA176751, BF241897, BF038654, BE395453, BG169151, BE395877, AA155815, BE271552, AA315019, BE562530, AW351775, AI040347, AI086869, AI128935, AA579638, BF130710, BF667562, AI569778, AA534897, BE564877, BE733005, AA587666, AA953108, N29957, BE393363, AA305091, W44729, AI334112, AA151093, AA484727, AA487650, AA081357, AI185147, AI023986, AI364940, AA179716, AI391703, AW406567, AA031621, AI160981, AI201618, AA165277, AI566893, AA677382, AA487441, W07828,

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HSQCQ45	2197	604962	1 - 574	15 - 588	BF059122, AW300750, BE738892, BE739419, AC004623, AC004623, and AC004623.
HSQCY74	2198	886110	1 - 2303	15 - 2317	AL519849, AU125713, AU125913, AU149580, AU126045, BE390867, BE408981, BE386444, BE270147, AI126802, BF037894, AI810648, AI829784, BF305478, AI765051, BF305303, BF699170, AI767311, BE793111, BF691761, AI637676, AI380487, BE672083, AU149476, AU153262, AA805701, BE564488, AU152422, BF246237, AI022771, AI022773, AI224853, BF131031, AI246664, AW117381, AA284708, AU149736, AI378374, AV748613, AW242618, AI078556, AI203326, BE891192, AI760108, AU149844, W90758, W90692, AI367405, AA829971, AI003180, AA775023, AU127166, AI568198, AA856802, AI282240, AA287138, AV747461, AI077934, R85788, AW972449, AI754241, AI868791, AA852950, BE242067, AI017044, AA693657, AV750887,

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HSQDM74	2199	581101	1 - 1276	15 - 1290	BF981284, BG029241, AI088496, N53658, AI890044, BG112550, BF666223, N90775, AW167967, AI566046, AL039593, N58890, AI493052, Z32899, AI433294, AA971583, C06421, AL039592, AI689600, AA583249, BE041706, AW362487, R80534, R33011, N78406, N46356, AW262882, D59519, W19198, AI587131, D59492, R33896, AA411771, BF509476, AW664421, AW079554, AI826316, D50980, R80422, AI700857, T17373, AW611651, AW196048, AI478618, AI752388, N55225, BE067397, AA092245, AL046034, AA411972, BE067405, BE067400, BE466324, BE067401, AW577086, AL136896, AB014571, AF073958, AC020604, AC020604, AC020604, AC016722, and AC016722.
HSQEG23	2200	829137	1 - 2276	15 - 2290	BF508706, BG118348, BG026529, AV725666, AV727320, BG166223, AW965035, AV726732, BE300742, BE301312, BF790083, AV727358, AI871490, AV705315, AW361377, AW197150, AW961450, AW020971, BE222028, AA173974, AA628005, AI762455, BF434654, AA885770, AU145772, AI742916, AW242738, AI650889, BF980120, BF670440, BF000529, AI499725, AW572144, AW769473, N50019, AA416895, AA436315, AA446397, AA479327, AA992560, AI761732, AW368564, AA565414, BE301307, BF672895, AV727307, AI202034, BF196161, AI954851, BF031253, AI078111, AA931981, AW026081, AW008016, AI554145, AA436190, AI024693, AV727863, AI361305, AA768877, BE467065, AA668422, AW073981, AA179747, AA983540, AW129222, N42994, AA169284, AA694493, AA960905, D57898, AA972347, AA565932, AI373863, AI955691, AA128410, AA861131, AA173600, AA478590, BF510400, BF432658, AI277077, AI458731, BE855667, AA100904, AV708118, AI476754, AA164384, AW518016, BE221931, AA424173, AI299274, BE622950, AA179796, BE246239, H99661, AA772632, AI143402, AV653358, D60579, AI535905, AI039327, AA908163, BF725100, AA503420, D63073, H88575, BG150150, AA169671, AI201972, AV701964, AI659520, BF437408, AI267537, AA363822, AA886617, T68844, R24402, AW074517, AA082162, AI915469, AI269850, AI919381, BF054993, Z25919, AI926153, AW518862, AI468786, H88530, BE247013, H45230,

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HSQEG47	2201	771527	1 - 1920	15 - 1934	AU145166, BF909714, AW190749, BF037895, BG248843, AW182498, AI951781, AU151975, AW131885, AI806763, AI655902, AW051579, AU150183, AW104033, AI092894, AW206443, AW304065, AW235200, AW589653, AA703504, AI948834, AW663912, AI052070, H96636, BF475254, AA621652, AI336780, AW873629, AA954929, H99377, AA737563, AI218321, AA757128, H50221, AA707800, AW103115, AU153757, AI435576, AA707817, AI282394, AA459330, H49671, AW275538, AI082875, H38703, N73211, AI810071, H19606, AI799129, BE294069, AA504743, H38992, AA279748, BF974352, R84618, W87812, H50254, BF889111, AI243410, BE772803, AA279837, AA057203, H12761, R51639, BE772805, R38779, H38792, AA903327, AW403339, T80100, H50275, W87885, H12804, AA570100, AI453334, AI028555, AA889390, BE766630, AA721345, AW016229, AI915317, H19519, BF093270, AI587406, R85372, AW959910, W86922, R51719, AA767718, AA936658, AA327526, T40891, BF328471, C21575, AU118658, AA779789, AA947097, H80837, AA057155, AK024283, AL133215, AL049428, AL133215, AL133215, and AL133215.
HSQFE72	2202	826311	1 - 343	15 - 357	H71423, H71422, T71082, R10526, R99143, H66815, AA470823, AA503070, H66816, and H72966.
HSQFE76	2203	853394	1 - 1455	15 - 1469	BF692392, AI590401, AW235548, AI684468, BE222833, AI828249, AI809249, AI762749, AW954090, AW118807, AA700939, AI393791, AW996765, AI094198, AA902442, BE813964, AA744618, H99498, AI355936, BF691727, R71693, N28317, AV723117, H91926, H20809, BF448897, R37727, H16782, H52794, AA384247, C01825, AA322288, H06042, R40180, H16892, H52753, D60571, AI866218, AA326532, AV723251, Z40946, H50448, R13892, H20860, H50449, AA376208, AW896575, H13376, AB052175, AC018902, AC018902, AC010674, and AC010674.
HSQFV12	2204	604964	1 - 553	15 - 567	AA524251, AL527122, AW269815,

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HSRAA81	2205	695759	1 - 1665	15 - 1679	<p>AL524312, AL522827, AL516117, BE873250, AI922738, BG260938, BE792575, BF311244, BG121041, AI742798, AW473070, BG036096, BG178428, BG180370, BG031508, BE876480, AI521861, AW965166, AL524313, AU154596, AA156048, AW796242, AW605147, BE207270, BE081689, AW608807, AU147492, BE621819, AI937084, AW385322, BF197439, AU148219, AW071089, AV716431, AW474818, BE301182, AW834827, AI393092, BE220183, AW150166, AW247815, AW129619, AW439761, AA593405, BF058546, BE167300, AI191767, AU157014, AW247207, AI827281, AA055259, AW474734, AA082848, W01562, AW366702, AI274887, AW292560, AW292339, AI681022, N71255, BF698915, AW937927, AA454912, AI754310, AA961126, AA454836, AA088679, AI050679, BF997412, N58730, AI467791, T30213, BF851421, N62405, BF754744, BE082261, AW105535, AW206734, AA112191, AI187893, AA157459, H79378, AI630182, BE183938, Z40024, AU157710, AA759028,</p>

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HSRAO56	2206	719816	1 - 1584	15 - 1598	BF367785, BF367817, AI758981, AI797998, AI204309, AW769687, AI336771, BF924753, H68343, AW514065, AV695478, AL041375, T15767, AV695953, AV718585, AI915081, AU145957, AI078409, AI340151, AW511778, AI733856, AW190484, AA487209, AA480486, AA469230, AA846923, BE676856, AA808861, BF203192, AI358928, AI224619, AA053463, AU158351, AI371208, AA299589, AI565126, AI610737, AA405726, AA503298, AA298365, AW341978, AW131417, AA904211, AI417464, AW512528, AU159566, AA492105, AW272389, AW341955, AA132491, AW089625, AA468923, AW150028, AA410788, AA862312, AA228778, T54901, AW571685, BE154909, AA626632, AA599712, AA484298, AI719142, AA513983, AW068786, H85808, AA601674, AA715876, AU160445, F00533, AI431513, AI280535, AI744905, AA832016, AI193587, AW020150, AI537368, AI521525, AI283938, AI679002, BE140949, AV764259, BE154381, F34506, AV764406, AA297208, AW238253, F23338, N68449, AW088631, AI025930, AI925065, AI823705, AA610381, H12857, AI824476, BE677029, AA995373, AI801505, AW473927, AW440368, N41775, AI791659, BF933309, AA630476, AW328446, AI491765, AI801563, AW901945, AW086291, AI299442, AI355103, AL041894, BE328286, AW008184, AU159614, AI871973, H85388, AI277373, AW243808, AA205304, AA251356, AI281818, C06004, AA635433, AI954464, AA652834, AA664126, AI609972, AA303049, AI476460, AW151247, BE327876, AI090377, AA468975, AI474127, AW192199, AI433131, AA085863, AW272815, AI914748, AA610433, AA993636, AI439816, AI865196, AA425924, BF589066, AI623423, AW236219, AI889612, H54292, N66927, BE300991, BF916055,

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HSRAV28	2207	581102	1 - 810	15 - 824	BE272087, AV756491, AA410788, AU147162, BF725884, AL042373, AL079734, AL042667, AL042670, AL046519, AW270385, AW103406, BG250286, AV763026, AV763058, AW958962, BF923365, AV702109, AW026305, AI421950, AI419337, AI962030, AI923052, AI284543, AA714110, AI361090, BF724838, BE139139, AI250552, AA644090, AA832175, AI800168, AI800180, AI053696, AW328331, BF725844, AI251284, AI251034, AI251203, AI223626, AV760469, AW970940, AW873261, AI254770, AW023111, AA515048, AW819125, AW275432, AW167909, BG223245, AI207728, AW410354, AA515728, AW303098, AU130337, BE138387, AW855803, AU118374, AA228778, AW502796, AI056177, AL036896, AA593537, AI061313, AW327868, AW271904, AI340832, AA714011, AA489390, AI753113, AW301771, AA502991, AA613624, AV723671, AI207424, BF826830, AW502873, AW328000, AI358928, AI755202, AI254779, BF868994, AA578621, AW576437, BG231195, AI066646, AI469599, T47138, AI160786, AL524675, AW971071, D44639, AI754170, H68343, AI754257, BF795891, BE138484, AW575785, AC008626, AC006487, AC006077, AL034379, AC006483, AL133246, AF196779, AC004757, AL135927, AC007227, AC005667, AL020997, AP000689, AC018797, AL033527, AC004253, AC005206, AC008551, AC004890, AL109984, AL161937, AC005962, AC008403, AL132777, AL135744, AC010200, AL353807, Z99755, AC003080, AL049776, AP001725, AC007664, AC025435, AC007688, M37468, AC004000, AC007277, AF001549, AC005666, Z93023, AC011445, AP000111, AC005694, AC020898, AL035587, AL109743, AC004824, AC005529, AC009311,

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HSRDM56	2208	601693	1 - 2009	15 - 2023	AU134908, AV713940, BG107456, BE870660, BG254088, BG121467, BE882410, BG171383, BF668229, AI638226, BE504884,

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HSRDW57	2209	562019	1 - 928	15 - 942	AL530596, AL530595, BF980986, BE748707, BF127552, AA291615, AA402192, AA292475, AA830063, AA652443, AI270545, AI928523, AA866174, AA461524, AA477033, AW298514, AA778558, AI500380, AW955121, BE539361, AA293673, AA768790, AA402823, BF843066, N95468, AA312083, AI205571, BF842518, AI198576, W74354, BF817326, AA770325, BE077353, BF084989, W76549, AI826564, AA764941, AI749672, AI262451, BF817239, AA236730, BF817243, BE889325, AA460596, AW189630, BF696893, AA220212, AC053520, and AC053520.
HSREC72	2210	601368	1 - 870	15 - 884	BF684287, BF686157, AI591334, BE925966, BE394759, BE925974, BE710971, BE394001, AI251809, AA368749, BE378266, AW411283, BE825693, BE378344, AA610381, AI754926, AI754257, AA664963, AA555232, AI568376, AW104161, AI753904, AI572680, AW847122, AI251024, AA598889, AA484298, AI434653, AW028376, AI571863, C75332, AV760579, BF888753, AA487053, AI445883, AA601376, C15279, AA218684, AW341955, AI357762, AW501278, AW662484, AA100107, BF942991, AW572721, AV764119, AI570067, BF944618, BG223384, AW888639, AI016560, AF126947, AA171400, AA132947, N25281, AA084320, AI744890, AI744199, AW262946, AA524604, AW338376, AI890297, AW129188, BE974200, BE272143, AI753131, AW615450,

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HSREG42	2211	839481	1 - 2623	15 - 2637	AU123821, BE741610, AU126215, BE748820, AU124913, AI186513, AU117829, BG117370, BE746370, BF033071, BE745284, BE741318, AW852329, AW084503, BE748350, BF204988, AW377487, AA639852, AW377564, AW852068, AW852052, AW852063, BF309081, AA029866, AI754458, AW389528, AA716174, AA461165, AA488403, AW852060, AA152257, AI375044, AU144555, AW389530, AU152255, AW852057, AA461339, AI804151, AW262139, AI352683, BE834287, AW770899, AI753033, AI129793, AI093294, AI590664, AI127266, AI192462, AI341959, AU129192, AI144376, AA669825, AU153039, AA248351, AA775800, AI949100, AA216443, AW852122, AI356709, AW377595, AW389511, AI754727, D83862, AI143178, AW069540, AU151366, AW954449, AU147228, AA565674, AW193900, AI753670, AA993392, AI085783, AU148682, AI689142, AA455307, BF091002, AA196274, AI090590, AA242948, AA155941, AA164857, AA029313, AA190829, AI160848, AW852272, AI092999, BF058547, AA653390, BF852017, AW367947, AI865846, AW664104, AA450170, H49173, AI092729, AA642345, AI192579, AF147073, AA187246, BE695683, AI384069, AA486286, BE219810, AW753017, AI081054, AA555181, AA242840, AW369027, AW151647, BF851989, AI302581, BF361156, W86626, AA242813, AA614456, AI040375, AA633645, W70089, AA252153, AW069487, W04807, AA450105, W86533, AA678601, AA113267, AA242879, AA101407, W42499, AA085855, AA085633, AA488536, AA179761, W19187, AI582524, AW886880, AA180337, AA489307, AA328932, AA187378, AV656934, AI807754, AI751340, AA166680, AA155912, AI370239, R84542, AI128955, AA961813, AA025420, BE695839, AW878062, BE856994, D31085, AA599329, T98173, AI952379, H01012, AA083299, AA295358, AI753188, W42650, AA852329, R36585, AA343268, T69976, AA923800, AI370172, AW079302, AA375799, AA101439, T94048, AA340431, T54461, AA340909, AA310111, AI686434, BE695701, R36584, AA340816, AI799528, AA339155, AA190681, AA083184, T93022, BF090943, AA374025, AA329739, AI083602, BE294814, AA375517, H01758, AA242739, AA495727, AA375708, AA375223, AA775586, AW270193, AA346892, AA227254, BE932840, AA700352, AA248840,

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HSRFD18	2212	840771	1 - 1875	15 - 1889	AL037444, BE889424, BF439488, BF446681, AW297772, BE644962, AW295194, BF740081, BF813145, BE466328, AA716418, BE675824, BF196138, AI280149, AA814882, AA813632, BE221432, BE677733, AA358821, BF246362, BF700198, AW452195, AU144490, BE220601, AA761963, AA658222, AA327922, AI123037, AI473112, AW390382, BF992291, BE928864, R99503, AA055144, AU119961, AA182647, AW390381, AU130604, AA182483, AW390436, BF693283, AA054934, BF849246, R98214, AU117739, BF993158, BF002983, AA248903, AA179387, AA182760, AA934941, AI474620, BF670121, BF858341, BE928859, BE150427, AI912621, AA938230, BF919684, AL096819, AK023095, AK000945, AL117441, AL096819, and AL096819.
HSRGZ11	2213	801929	1 - 771	15 - 785	BF973524, AW406519, BE910419, AW009532, AA477685, AA402163, BF973663, AA160741, BF843820, AA423929, W68042, AA464995, AA452659, BE856742, AA393237, AI076641, W56822, W67915, AW150850, AI191502, F21543, AA806534, AI191388, H61770, AI002128, AW958491, H96459, BE673368, AA416968, BE186026, BE837675, AI312558, AA429207, AA160488, AI208496, AI521067, AW404471, AW874503, AA563907, AA398098, BF222167, R82838, AI909711, W38963, BE092386, H46518, BE856901, BF805709, AA927015, H00291, H18160, M91392, H46905, AA421433, AA421393, BE186016, AA211800, AI341182, AW974575, BE277183, R00695, R23065, R53405, T06427, AI928312, BE799503, W19396, AA040066, AI674234, R00694, BF590280, AA534160, BF241878, AW362660, AA535578, BF972180, AA477686, AI057633, BF196922, BF758356, BE729984, BF435436, AA094720, BF125890, BE408601, AW242776, BE312262, AA626269, AA478261, AA723616, BF125726, AW149686, AI807188, BE266680, BF062008, AA421310, AA602390, AW575334, AW043797, Z20415, AA830275, BE265203, AA594308, AI797817, AI199560, AI824146, AI291269, AI769148, AI598203, AW028780, AI356817, AI800623, AI589620, AI051335, AI083666, AI336382, AA836282,

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HSRHB59	2214	840384	1 - 840	15 - 854	AL529558, BE544003, BE904197, AL529557, BF976522, BE396060, AA573749, BE742431, AI146823, BE277076, BF982907, BG033982, AI188773, BE731100, BF969024, BF436357, BE906349, BF037060, BE867407, AI568541, AA722943, BF338991, BF939731, AW170454, AI923698, BF732637, BG058538, AA521178, AA533142, BF939950, BF315782, BG231826, AA804752, BE877022, AW338909, AW131539, AA015608, AW043777, BG149572, AI698061, AA593783, AI933058, AA643060, AA663421, AA703401, AV720993, AW071963, AA039776, AA456443, AI138427, AI138414, AA533023, H23130, AA907140, AW152014, AI801378, AI610779, AW663696, AW572544, N26720, AI093094, AI151518, BE383004, AW072663, BE255503, BG254279, AI304710, N24139, AI149055, AA454551, AI933334, BF439162, BG119381, AW080898, AA622274, AA507256, AI620143, BE394388, BE395729, AW182376, AI697428, AA039775, BF528995, AV707095, AA524569, AA531183, AI220889, AW338325, AA654232, AA846012, N27443, AW405784, AA740351, AI219391, BE252842, AA918212, AA593600, AA783005, AI580822, AA027099, AA618553, AI088426, AI095684, BF058620, AA045000, AI183776, AI494448, AA004751, T31863, AW873110, AI568828, AI147215, AI014428, AW188928, AW515463, AA769944, AI016448, BE389164, AA505892, H43415, AW304223, BF237531, AA622063, AA953741, BF033740, Z25158, R88201, N34730, AV703342, AA613472, AI082072, AI680293, N70738, AA459666, H09727, AI676075, BF983376, AI589462, AI919373, R62771, H00985, AI580737, BE787727, R99086, BE564035, AI174578, AW882742, AI198459, AW087263, AW177682, H01727, AW384460, BF032493, AW384520, W19327, AW384476, AA039740, BG120362, R25172, AA766012, W57689, AW074349, AI904388, BF087428, BF032092, BF347310, AI381412, D20850, D56394, AA234663, F00394, AA826987, AA876092, W25490, BE276570, AW952097, AA027136, BE833425, R19501, Z24996, AW404325, BF383176, N34604, F00410, T34142, BE409538, AI204411, T35354, AI702372, AA909937, AA263065, BE819628, BF960525, AA312907, T35334,

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HSSAN03	2215	598717	1 - 739	15 - 753	AL120021, AA173960, AU151682, AU153475, AU155300, AA825673, T92881, AA446597, AW978856, AI735501, AI264654, BG236429, AA111979, BE218943, AI358113, AA083714, AI580328, AI474740, AI761113, AW628352, AI298059, AI612941, BF064245, T91722, AI565355, AI784391, AA180958, AW361854, AA283988, BF095171, T10810, AA180813, AV691331, T92488, BE932247, AK024270, AC013631, AC013631, AC013631, AC068769, AC068769, AC020694, AC020694, and AC020694.
HSSCC66	2216	559402	1 - 850	15 - 864	BG231324, AL079295, Z81313, and AC008569.
HSSDI13	2217	580877	1 - 1849	15 - 1863	AC036224, AC036224, AC036224, AC024191, and AC024191.
HSSDQ20	2218	824813	1 - 1100	15 - 1114	BE169347, BE925812, BE925803, AL535374, AA012835, AW501161, T07365, AA984341, BF204361, BF352373, BE560547, AI803142, AA954361, BE675209, AA812064, AB020641, AF033655, and U62391.
HSSDX38	2219	824825	1 - 782	15 - 796	AV726557, AL078605, AL078605, and AL078605.
HSSD57	2220	637675	1 - 1531	15 - 1545	BF568983, BF568577, BE741853, AL045513, BE621937, BF568749, BE874128, BF754317, BF591072, AW418707, BE272199, BF432500, BF748920, BE857442, AI693839, AW612009, AI636092, BF568676, BE019821, AI760753, BF874517, BF093736, BF841920, AW818202, AU152845, BE543593, AI816906, AI379530, BE672032, AA420748, AI955819, AI417482, BF841992, AI084854, AW274853, BF034129, AA635992, BG255178, AI310716, BF056942, AA420809, BE208181, AW590507, BE139661, AW165956, AI262954, AI627637, AA883654, AI610670, AI564305, AI520717, AI401725, AW025828, AI651711, BG010518, BF221990, AW606685, AI955145, AA464402, AI375453, AW511875, AI282557, AI949447, AI202554, BE206371, AA417928, AI689947, AW511884, AI373160, AA418179, AI202339, AI401085, W19807, BE672279, C21439, AI918278, AI277158, AI886023, BE872721, BE336658, AA557528, BE965529, AI620735, AW189234, AI926077, BF154476, Z19841, AA843727, AI364409, T12314, BF872182, AI400523, AI161321, AA405654, BF668922, T84944, BE878197, BE261136, BE262956, BF314334, AU137536, BF314654, BF315757, BF304271, BE260030, BF206548, AA813583,

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HSEL28	2221	838618	1 - 1719	15 - 1733	BE740647, BF344231, AA780060, BE788470, AA034018, AA116011, AA915944, AW378593, AW271557, BF055986, AI681876, AW339335, AA398448, AW084468, AI633704, AI740833, AW139883, AI656547, AI458238, N90803, AI818390, AI399646, AA034143, AA211490, BF675942, AW886611, AW960569, AA461619, AI129806, AI812078, BF032919, AI668877, AI273632, AW469319, T49415, AI631556, AA809308, AW263744, AA084112, H50725, R41729, AI143804, R35213, AA613086, AW888625, AI090166, BE694556, AA034142, BF915258, BF082689, AL121198, BF939493, T83650, Z39472, AA211538, C04036, BF082688, AA826511, H50639, AI264905, AI796927, C06078, AW237539, AA304773, AI151054, AI954182, H53733, AA782052, C20810, T74569, AA602189, BE890831, H20441, AA291774, BE247069, AI972653, AI659824, N28624, BF219169, AW518973, AI468564, C17160, T83813, H00402, T74624, AI351866, BF802131, H13797, F02799, BG223007, AI559583, AW193063, F04017, BE147114, C04580, AW138382, AA618621, AI191745, AI983047, AA999786, AW502873, AA622479, AI005146, H13798, AW954440, AA461445, AI431513, AW505253, AI733856, N33164, T57767, H20442, AA525253, AW089016, BE062476, BE062545, AW083934, AA633189, AA225406, AV764259, AI066646, AA985201, AI783911, BG222875, AA743968, BE062478, AW663283, AV695478, AA632765, AW769151, AA197019, AW958962, AI635028, AW272294, AI244356, AI612142, AI050076, AA483606, AA857812, AA568204, AA570740, AA228778, AI889579, AW973027, AI471476, AW516988, AI357628, AI955029, AI216990, AW054936, AA551798, BF841045, AA935827, AW237905, AA715814, AW238341, BG057207, AA070899, BF760573, AI915081, T50676, AI355246, BF747326, BF925837, AI755202, AA829065, AI216151, AI623764, AA579152, BG114430, AW008184, AI354243, AV718585, AI223968, AV655282, AA176604, AL079734, AA947265, N59744, AW163763, AK000514, AC004020, AL117581, AL117494, AK025910, AC005730, AC003690, AC010271, AF168787, AP001052, AL035461, AC006241, AL022323, AL021397, AP000694, AC005412, AC009600, AC005531, AL354864, AP000359, AF165926, AL355497, AL031315, AL121653,

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HSSFP88	2222	658726	1 - 1403	15 - 1417	AL521424, AL523210, AL514620, AL523209, BE739509, AL536205, BG031889, AI057627, AL514619, AI479627, AL525645, BE314805, AI859259, AI523551, AI885132, AL537131, AI660477, BF345159, AW958486, AW170144, AA779831, AA699996, BF793361, BF311286, AW001491, BG108512, AI191325, AI814375, BF691744, AA779172, W60861, BG258324, AI267877, BF038307, AA434226, BE891149, BF338341, AA557294, BE782287, AL521425, AL037181, BE388115, AI371147, AW009827, AI191738, AI149368, BE018452, AA449960, AW574717, BE856127, AI523552, BE276916, AA324535, BG027266, BG170162, AI401735, AA916827, AI056484, AW148512, AI341747, W42799, AA846389, BE382803, BG115029, AA173280, AI520661, AA405603, AA773096, AA612929, AW958520, BF206870, AI741705, BF929696, BF751515, AA582585, BE314640, AA223253, BE252212, AV647239, BG109634, AI952905, AW300754, AW167381, AI952061, BE739244, AW518702, BE548451, BE261658, AW084813, BE387175, BF087318, AW589482, AW957316, AA188656, BG122405, BE302065, AA708856, AA873019, C18348, BF849877, BF939729, H39026, AI202617, AW967939, AA612830, N74258, BG119829, R85547, N35339, BE536344, AA857247, H41500, BE780354, BF206872, AA559142, AA953999, AI611415, AW272284, BE262392, AA826989, AA578247, N95254, BF931945, BE857465, AW338532, BF929625, AA284487, AA516267, W60737, H39797, AW166856, AW517268, BE709158, F32639, BF002936, AI623493, R87508, N89722, H41555, AA309639, AA826718, BF530602, AI361539, AA213790, BE297709, AI869008, R85567, AI864037, BF037516, AA258866, T32944, AI244230, AI611540, BF791959, AA410556, AA825443, F10385, BE882636, AA405546, N55535, AA213875, AA074090, BF940204, BE268774, H14093, AW392209, BE560984, BE560800, AI002669, AA903640, AA604307, BE077235, R85944, T23531, AA857144, AI278090, AA223353, H84923, AI361274, AW580277, AW467485, AI187996, AA401201, AI340553, BE243365, BF206512, AA353090, T75048, AA188558, Z41846, W42691, AA857402, AI282309, AI972748, AI350817, F09003, R48954, T68752, N93821, BF305409, AW074148, BG167097, AI874227,

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HSSGS62	2223	741162	1 - 1375	15 - 1389	AW337710, BE676910, AA975859, AW972858, AW024320, AV759167, BF589770, BF666751, F08743, AL120694, AI280722, R60158, AI800357, BE562634, BE731709, BE973607, AA907133, AF001548, AL031584, AC002981, AC005972, AC007570, AL133238, AC018758, AL031058, AC005670, AC007637, AC003037, AL133244, U91321, AL022165, AL049538, AL080314, AL109921, AP000501, AC010412, AL138836, AL121929, AL121776, AC020728, AC020744, AC005726, AC004216, AC003036, AC002302, AC022596, AL159168, AC007981, AC002073, AL008732, AP001713, AL049709, AC004965, AC018769, AC020916, AC004968, AL162615, AL157838, AC027319, AP001710, AL050341, AL136097, AL138976, AL138756, AL117380, AL139353, AC002352, AC073898, AC005229, AL118520, AL133551, AC008008, AP000101, AC004867, AC007298, AL163249, AC005668, AC013434, AL137230, AF134726, AC007383, AC005911, AL158040, AC008018, AL139350, AC084239, Z83822, AP001711, AL078591, AC011479, U91326, AC005829, AC073934, AC008125, AC002551, AC005562, AJ400877, AL035450, AC006197, AC007263, AC005274, AC018738, AL109984, AC007358, AC002375, AC003003, AC008551, AC008750, AC002470, AL078596, AC005409, AC004491, AL031283, AC006449, AF196779, AC009331, AL050335, AL121897, AC003950, AL133153, AC007308, AC004913, AC006538, Z77249, AP001714, AC010458, AL121753, AL109824, AC007052, AC067817, and AC067817.
HSSJA23	2224	847089	1 - 1974	15 - 1988	AA649842, AA862149, AA789204, T99390, AW294795, W67184, AW594477, AA350809, AI632515, BE502351, BE064477, AW953291, AI632521, AW594584, BE151119, AC002996, AP000111, AP000043, AC004876, AP001716, Z84484, AC002996, and AC002996.

HSSJF26	2225	567431	1 - 1287	15 - 1301	AA516047, AW023111, AI921765, AW102811, AI653525, AA971196, AA525293, AA669054, AA284247, AA508036, AI433131, AI610468, AI049845, AA644090, BF868994, AI918419, R70883, N71033, AI133083, N57704, AA935827, AW963444, AI284640, AA513551, AW188742, AA564800, H68343, W02749, BF837694, AA364006, AA158549, AA243976, AW188976, BG057631, AC004859, AL353701, AL049631, AL358777, AC005484, AC005102, AL133245, AL136170, AL391114, AC003663, AC004851, AC007688, AC009955, AC006208, AC020904, AL356801, AL096766, AL034555, AL353807, AL031291, AL050349, AL024507, AC018758, AC005103, AL136162, AF047825, AL139353, AC006449, AC006965, AC008267, AL161937, AC010422, AC002045, AF190464, AL133415, AL133163, AC007664, AC004491, AC005071, Z85986, AL008719, AC008055, AC004977, AC010618, AP000501, AC008623, AC008812, U47924, AL138836, AC009116, Z97056, AC005666, AC007201, AC009509, AC002996, AC005730, AL121712, AC020916, Z99755, AC006312, AC005005, AL109627, S42653, AC006241, AL035406, AC009194, AL354872, AC005880, AL138478, AC008733, AL132855, AF024533, AC006345, AP001693, AC004876, Z69917, AC005088, AP001714, AC016637, AL133243, AF001549, AC008934, AC005500, AC007684, AC000070, AP000500, AL356299, AF165926, AC003070, AL133246, AC005971, AL355984, AC011904, AP000552, AC004034, AC005043, Z84487, AL050325, AC004990, AL121754, AC000120, AL162458, AC005236, AC002312, AP001725, AL049757, AC006329, AJ295844, AC020913, AC007349, AL121890, AL121751, AC004143, AC009060, AC008556, AC007686, AC006285, AC002401, AL109801, AC006483, AC007220, AL162724, AL022721, AL109955, AC005736, AC004237, AC006344, AP000272, AC026431, AC008762, AC004678, AL049868, AL450226, AC007312, AC001228, AC004167, AF053356, AL109797, L48038, AL117333, AC003043, AC068799, AL389875, AC005057, AC002364, AP000220, AC004009, AC009086, AL137039, AC009288, AC004813, AC005409, AC020945, AC008738, AL353777, AL122013, AL035455, AL442166, AL133453, AL121655, AC004211, AF307337, AC005523, AC016995, AC011490, AC009000, AC008848, AC009079, AL139095, AC007404, AL163284, AC005755,
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HSSJF96	2226	853396	1 - 2178	15 - 2192	AA188939.
HSSJM47	2227	796096	1 - 1138	15 - 1152	BF818822, BE763808, AW886597, AA280172, BF360542, AI858610, R10553, BF818773, AA643713, BF093098, BE940248, BF092954, BF093015, BF093029, BE934471, BF093013, BF089216, BF092944, BF083995, BF092950, BE940263, BF357109, R18212, BF092947, AW879458, BE763741, BF093072, BF092953, BE934333, BF093027, AW952352, AI554747, BE833264, BF084018, AW801742, BF093096, BE791619, R34399, AW886711, BE940212, AA077599, BE089881, AI201384, AI076623, BF092952, BF093101, BF230061, AW796474, AA076734, AA622885, T62577, BF874603, AW470734, AW578638, BE799982, AA077600, BF812369, BF092942, BE561553, AA039677, AA074393, AI696900, BE940256, AW264938, BF377500, BE834070, BE271069, BF981321, BF129137, BF129145, BF084045, AI247893, AA325208, BE263150, AW977486, BF305107, AA459899, BE295807, BE394029, BG107186, BE075438, BF336855, BF230048, BF230047, AW754277, BE270898, BE940194, R10147, BE934330, BF089326, BF132409, BE168330, AA757892, BF733651, BE385165, AL042573, BE408382, AI075879, AC006014, AC005098, AC004166, AC004867, AC005488, AJ007798, AL137492, and AC005049.
HSSJW30	2228	779822	1 - 1879	15 - 1893	BE799955, BE794656, BE793824, BF688644, BE397729, BE878104, BF689027, BF509067, BF683635, BE561724, BE901375, BE275418, BE796759, BF344869, BE901122, BE900851, BF303902, BE264428, AW958730, BE790981, BE382981, AL532282, BE891383, BE304642, AL041099, AI885104, BF516029, BE382994, BE881859, AI760759, AI636892, AW976417, AI424428, AI625786,

					<p>AW327503, AI953869, AI201609, AI910981, AW082766, AI146619, AI569255, AI086769, AI621139, AA994210, AA306366, AA293512, BE857373, W46902, AI942233, AI085325, AA293445, AA419449, AI335445, T03749, AW193150, AA570642, BE550730, BE674593, T65307, AI208553, BF878747, AI349240, AA043320, BF983112, AI809076, AA477113, AV692342, BF870406, AI479316, BE908529, BF339345, AI017370, AW753505, BF926056, BE076291, AA974286, AW578163, AI682519, AA357491, AA477361, AA433827, AI970286, AI869953, AW079422, F13454, F09879, AI312142, AI671920, AA047423, BF303756, AA419450, D31091, BF856817, AA323199, AW753956, AW363053, AA555263, BE839159, AA047422, AW753959, BF437198, AI239614, AA743124, AA888662, AA992760, AA595045, AA325805, AA640005, AA334356, AA935392, AI934733, AA043319, AW403370, BE243612, T66068, BF001221, Z41892, AI364335, BF841439, BF031219, AW027039, AA476305, BE706169, AW075070, AW316881, AW316846, AW514413, AW515756, AW089787, AW075073, AW797004, N73284, AW392803, BF869387, Z38193, AW071228, BG006071, AW000913, BF062268, W02332, AA932476, AW168068, AA865966, AI569256, BF808770, BE835062, AA324393, BE926421, BE709131, BF870309, AI524991, BF870821, AB029012, AL137738, AC007227, AK025988, AK026395, AB042297, AL135927, AL135927, AL135927, AC007227, AC007227, and AC007227.</p>
HSSJW30	2229	850566	1 - 2094	15 - 2108	<p>BE799955, BE794656, BE793824, BF688644, BE397729, BE796759, BE878104, BF509067, BF689027, BF683635, BE561724, BE901375, BE275418, BF344869, BE901122, BE900851, BF983112, BF303902, BE264428, AW958730, BE790981, BE382981, AL532282, BE891383, BE304642, AL041099, AI885104, BF516029, BE382994, BE881859, AI760759, AW976417, AI636892, AI424428, AI625786, AW327503, AI953869, AI201609, AI910981, AW082766, AI146619, AI569255, AI086769, AI621139, AA994210, BF856817, AA306366, AA293512, BE857373, W46902, AI085325, AI942233, AA293445, AA419449, AI335445, T03749, AW193150, BE550730, AA570642, BE674593, T65307, AI208553, BF878747, AW753956, AI349240, AA043320, AI809076, AW363053, AA477113, AV692342, BF870406, AI479316, BE908529, BF339345, AW000913, AI017370, AW753505, BF926056, BE076291, AA974286, AW578163, AI682519, AA357491, AA477361, AA433827, AI970286, AI869953, BF303756, AW079422, F13454, F09879,</p>

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HSSJW30	2230	867721	1 - 2252	15 - 2266	BE799955, BE794656, BE793824, BF688644, BE878104, BE397729, BF509067, BF689027, BE561724, BE275418, BE901375, BF683635, BF344869, BF303902, BE264428, AW958730, BE901122, BE790981, AL532282, BE304642, BE891383, BE900851, AL041099, BE796759, AI885104, BF516029, BE881859, AI760759, AW976417, AI636892, BF869387, AI424428, AI625786, AW327503, AI953869, AI201609, AI910981, AW082766, AI146619, AI569255, AI086769, AA994210, AI621139, AA306366, AA293512, BE857373, W46902, AI085325, AI942233, AA293445, AI335445, BE382981, AA419449, T03749, AW193150, BE550730, AA570642, BE674593, T65307, AI208553, BF878747, AI349240, AA043320, AI809076, BE382994, AA477113, AV692342, BF870406, AI479316, BF339345, BE908529, AI017370, AW753505, BF926056, BE076291, AA974286, AW578163, AI682519, AA357491, AA477361, AA433827, AI970286, AI869953, BF303756, AW079422, F13454, F09879, AI312142, AI671920, AA047423, D31091, W02332, AA419450, AA555263, BE839159, AA047422, BF437198, AI239614, AA743124, AA323199, AA888662, AA992760, AA595045, AA640005, BF983112, AA334356, AA935392, AI934733, AA043319, AW403370, BE243612, BF856817, T66068, BF001221, Z41892, AW753956, AI364335, BF841439, BF031219, AA325805, AW027039, AA476305, BE706169, AW075070, AW753959, AW316881, AW316846, AW514413, AW515756, AW089787, AW075073, AW797004, N73284, Z38193, AW071228, BG006071, BF062268, AA932476, AI524991, AA865966, AW363053, AI569256, BF870309,

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HSSMY35	2231	740765	1 - 817	15 - 831	<p>AL519648, AW170543, BF528067, BF913222, AI335452, AW604899, AI817215, AI925444, BF375780, AI608844, AW001348, AA853941, BG178695, AI811673, AI805743, AI382206, AA279139, BF975942, BG258971, BF445253, AI571300, AA565014, AA923303, AW604905, AW973191, AW604898, AI345340, N68518, AI832033, AW152126, AI581149, AI334950, BE275563, AI366971, AV706788, AI591352, AI934699, AI366962, AW604908, AI201993, AW190506, AI913195, AA825666, AI628955, AA478024, AI553809, BF914370, AI860471, BE567651, AW609796, AI675988, AI359747, BE675074, AW274219, AI435257, AI340530, AW104823, AI377017, BF594915, AI949327, BE565222, AI766662, AW073037, W79182, AI393781, AL041758, AI359732, AI628311, AW089578, BG058748, AW301969, AA434430, AA485730, AA733167, AI923566, AI914921, AI969209, N95348, AI626037, AW956458, AA026165, AA057212, AI004361, C06478, AA458890, AI349414, AI167359, W74428, AW966062, AI689065, AI687123, AI349785, AI334448, AI345581, AI288378, AA652404, AA293168, AI348864, AA740650, AI343129, AA810877, AV746022, AW071400, AI018718, AI312239, AV729006, AA936549, AI313347, AA953579, AI349751, AI457337, AI214147, AW439522, AA484907, AI085839, AA564803, AI042587, AI088716,</p>

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HSTAL93	2232	841863	1 - 958	15 - 972	AW963935, AI972731, AI571823, BF590898, AI963666, AL135050, BF000390, BF809182, BF809139, BF805611, AA379413, AA279383, BF591153, BF528303, AA484748, BF850996, BF339483, BF763975, AW849803, BF764822, BF903012, AA203135, BF761887, AA385927, BE062478, AL022324, AL137651, AF064548, AF077820, AB017498, AF077847, AF064984, AL354766, AL080243, AC007782, AL035067, AL080249, AC005015, AC004686, AC007056, AL133548, AF091544, AC004605, AL109758, AC004841, AL031281, AL136991, AC018801, AC018644, Z97054, AL049540, AC007684, AL035410, S61826, AC004499, AL133354, AC002365, Z84476, AC024123, AC024123, AC051652, and AC051652.
HSTBG23	2233	647150	1 - 1681	15 - 1695	AA380092, and AC012591.
HSUAF06	2234	863206	1 - 1306	15 - 1320	AV762098, BF677892, AI284640, BG249643, AL046409, AW303196, AV760777, AW301350, AI270117, AI334443, AV710066, BF697673, AA490183, AW274349, AW500125, BF241967, AV760937, AF330238, AI133164, AL046205, AV763354,

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HSUBX67	2235	751266	1 - 791	15 - 805	AA551254, AA775468, AW474168, AL038842, N40092, AL132825, AC006238, AL136365, Z83847, AL157713, AC006057, AC007182, AL035458, AC005972, AL133153, AL132653, AC008688, AC004491, AC004228, AL022476, AL160231, AL137787, Z83848, AC004686, AC083866, AC025436, Z93020, AC006120, AC009784, AL109839, AC004531, AF205588, AL162291, AC008179, AC003085, AL132639, AP001728, AC016637, AC007999, AC010462, AL354720, AC007308, AL139109, AC024561, AC008772, AC002470, AF049895, AC003108, AF224669, AL109920, AJ006345, AC006071, AL353739, AL133246, AC007160, AL359272, AL031733, AL117337, AL121777, AC002418, AC010102, AL035249, AC004386, AC006946, AC007376, AC011299, AC000085, AC004806, AL136992, AC007782, AL133453, AL163209, AC007744, AL136136, AC005486, AL136532, AC004448, AL049830, AC010748, AL391122, AC008805, AC004782, AL355385, AP001717, AC004662, U85195, AL157372, AC018644, AL133517, AL391839, Z73986, AL390039, AE000658, AL133500, AL133332, AL136000, AL022395, AL139289, AL132825, AL132825, AL132825, and AL132825.
HSUSB73	2236	603912	1 - 1524	15 - 1538	AI252243, AI254167, BE042057, AI251364, BE043900, BE043637, BE043603, AI254151, BE138442, AI003172, W60516, T91187, AV728248, AW021285, AW974044, BF857619, AI588856, AW794458, F32591, AI889440, BF898478, BF898917, BF898479, BG023913, AL038785, BF843301, AW268190, BE879516, AA744444, BE895293, AA284179, AW440836, BE536908, BF996303, AI133235, AV709281, AA551509, AI625570, AA384915, BF850953, W74543, AW069807, AL037574, AW972858, AI445815, BE869857, AI160582, BF856556, AL042756, BE061909, BF771233, AI537185, AI003743, AW103981, AA070162, AI474713, BE045233, AI783911, AL533967, AL037550, BG012089, AA384904, AW131034, AA176605, AA775520, BE066519, AI890923, AA486970, AA077952, BF877455, AI053429,

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HSVAC05	2237	836051	1 - 684	15 - 698	AC013746, AC013746, and AC013746.
HSVAE42	2238	655368	1 - 511	15 - 525	AV715377, BE892572, AI352290, AL046944, AI553926, AW243767, AW021909, F37323, AW058275, AA853033, AW189301, AI624279, AI151035, AI241678, AI564160, AW192228, AW172981, AI926794, AI340627, AI625316, AI440263, AW188382, AL119748, BE781637, BF814408, AI648508, AI702527, AI679990, R41605, AI688848, AI049733, AI310575, AL048312, AI419826, AI310582, AI334893, AI889256, AI340533, AI584130, BG105381, AW129929, AI612885, AV703555, AA427700, AI312156, AI676251, AW151974, AI687295, AW004896, AI586931, AW130711, AI445505, AA417278, AA573899, AW074057, AI313320, AV744830, AI336495, AV737782, AI345639, AA630788, AI313352, AI310920, AI340529, AI307503, AV744972, AI277008, BF569536, AI334889, AI336585, AI334913, AI349266, AI334452, AI349787, AI344938, BE962811,

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HSVVAL83	2239	809113	1 - 847	15 - 861	BG113299, BF969040, BG028917, BG105381, AI146401, BF792099, BG164909, AF019298, AF116688, U72620, AF155148, AK026746, AF043642, AK025589, E01075, I07991, AL137463, and AC009269.
HSVAT36	2240	604965	1 - 557	15 - 571	BE782578, AC021098, and AC021098.
HSVAV02	2241	604966	1 - 432	15 - 446	AC026149, and AC026149.
HSVBA83	2242	812059	1 - 766	15 - 780	T70760, AL134279, H56457, T19858, N56319, AA091532, AI000340, R47500, W16595, AW152297, AA002027, AA902666,

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HSVBD37	2243	637110	1 - 450	15 - 464	AV709390, AW950411, AW029605, AI096763, AI127867, AI927440, BG056965, AI678797, AI560226, BF448017, BF436018, AI962919, AI139309, AA569965, AI582384, AA929063, AA037231, N41010, AI219156, AW517179, AA149848, AI335713, AU145938, AA780355, AI805878, N53358, N93863, AW341952, AI186941, AI150692, AW028880, AI360750, N51116, N52620, AI807004, AA149803, AI342701, BE966826, AL079879, AW778815, AI887136, N23609, AA069437, AA621741, AI431806, BE045706, AI436746, AL036485, AI457509, BE552098, AA969967, AI498680, AI092072, AI922485, BE501550, AI887907, BF115105, AI476678, AA480367, R62367, AI338819, BF115838, BF195730, AA983931, BE395341, AA745926, AI122849, BE220071, AI760974, AA328457, N67604, AI095709, R43155, AI358678, BF436189, AI216130, AI264775, AI682803, AI969128, AI475028, AI301094, H88637, R56869, AI695379, AI858940, BF340377, AI253109, AW138433, BE379642, AI767055, AI360714, AW855497, AI873779, R41502, R26824, BE885672, AI701207, R62368, D25622, AA599581, BE539405, C21338, AW150149, AI274619, AA043228, AA977157, AI624602, AA031945, AI038221, AI684288, AW292059, AI245526, AV734332, AI536548, AA205455, AI239714, AA918432, AI200628, AI589950, AI753266, AW192530, AA204845, AI582923, AA224837, BF681640, AW022508, AI871905, BE879409, R26022, AI690813, BF340284, AI571439, BF814449, AL514015, AI679550, AW194014, AI669864, AW198090, AI538850, AW089844, AL514087, AI245008, AI267454, AI802542, BF868489, AI345416, AI345612, AI345415, AW051088, AI589428, BG260287, AL120307, AL515033, BF753022, AI765469, BF762612, AI536685, BF812960, AW075382, BE966968, AW020397, BF527697, AI147292, BF970652, AI537677, AI270183, AI538008, BF969228, BG120896, AI950729, BF792520, AI368579, AI621341, AI475371, AI673363, AI499963, AI435268, AI866090, AI567582, BF911517, AL514025, AI925164, BF835240, AI432570, AI521095, AI797538, AI522052, AI624693, AI345688, AI698391, AW268122, AI250627, BF871314, AL514493, AI446511, AI969655, AI884318, BF814357, AW051059, AI289310, AL037582, AL037602, AL514691, AI500061, BG029829, BE876049, BE393784, H41759, AW075608, AV705323, AI961589, AI473536, AI254727, AL515171, BG001235, AA908294, BF814450, AI628015, AI281867, BG108406, AL514205, BF309444, AI312542, AL046466, AW131165, AA514684,

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HSVBN46	2244	603034	1 - 771	15 - 785	AF178030, and AF178030.
HSVBY62	2245	637113	1 - 396	15 - 410	BE907643, AW327356, BG164383, AV735093, BF792025, AV756498, BG109142, AV757265, AI686064, BG109661, BG029612, F36107, AI524513, AV744389, AW104310, AA128297, BE560561, AI125537, AI302668, BF678743, BE905381, BF216773, H72703, AA130380, AV682013, F27615, BE394168, AA934903, AV712461, N99899, AI125542, H72704, AI796626, AA314160, BF975221, AW518185, W68325, F24460, AI832538, F30577, W68324, AI497592, AA872295, AA070687, AA054941, AW006071, AV758709, AA962230, AW274476, AI197806, BG008943, AI198400, AW005308, AA884221, AA302263, AA722653, AA652237, AA594400, BE737684, AI718047, AI302442, AA054942, BF680026, AI245664, AI139027, F25027, N63141, AA927181, F36673, AA846168, BF207713, AI660015, AA908189, D50999, AA329037, BE738658, AI589655, AI499968, AA366606, F30607, BF238919, T79469, AA515879, AV711850, BE041814, F26441, AA769698, T79560, F34346, BF214417, T97719, AA483049, BF091216, AI207479, AA302083, W25240, T97822, BG059341, BF216648, AA687617, T85228, AA492203, AA535395, AW793013, AA602796, AW238261, AA216085, F24359, T89188, AW514738, BE615484, AA649489, BF246601, AA642762, AA935966, AV743817, AA634729, AV744110, BF239063, AA886084, W55855, AA344058, T24567, BF383068, BF246068, BG099692, AA062811, BE707385, R29682, BG230802, BG231094, AW362810, AW131255, AA128316, BE567457, AF085986, AF070661, AF086763, U73629, AC004770, AC004228, AF119902, AF137396, AP000591, AP000591, AP000591, AP002380, AP002380, AP002380, AC004770, AC004770, AC004770, AC004228, AC004228, AC004228, U73629, U73629, and U73629.
HSVBZ53	2246	830117	1 - 1290	15 - 1304	BG029720, AW374058, AV724415, AW374043, W84439, H98077, AA725816, W52869, AI926580, AI185775, AI360440, AI969941, BF430989, AI718705, AA968470,

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HSVCF53	2247	846129	1 - 1234	15 - 1248	AI733145, AI744503, AI694409, AI744523, BF439339, AI285769, AI457670, AA765909, AI792788, AA933872, AA252019, BE142230, AC008806, AC022148, AC022148, AC022148, AC008806, and AC008806.
HSWAZ17	2248	637682	1 - 900	15 - 914	AW410749, AI949392, BG222287, BF339804, AA524168, BF347568, AW468222, AI336956, AI472031, AW173509, T51972, AI539145, AI336965, AI926069, BF109101, BG114475, AI290127, T23577, AW103400, BE612411, AI612748, AI825326, AI638881, AI651838, F32859, BF448791, R54587, BG059516, AW268111, AI474364, AA991513, W01259, AW839643, T52053, AI864089, BE302196, AL515035, AL514869, AL514829, AL515375, AL514819, BE613077, AI637584, BE905408, AW198090, AI889376, AL514939, AI432969, BG179993, AI541056, AV657079, AI862139, AL514757, AL513961, AW148536, AW082040, AI538259, AW081298, BG036520, AL514793, AI569616, BG058398, AI590021, AI811863, AL515043, AV681647, BE910703, AI524671, AI469532, AL513553, AL515413, AL515191, AL514357, AI683475, AL513991, AL514799, AV723745, AI491852, AI590118, BE967187, AW301409, BF970652, AI802542, AI696612, AL514087, AL513631, AI564719, BG222103, AI709329, BF793244, AI871923, AW104724, AL036361, AW132056, AW071349, BG030189, AW673679, AI677796, AI284484, BF868489, AL514867, AL513577, AL514473, AI445025, AW129659, AL079963, AL513713, AI702406, AI433157, AI702073, AW302988, AI610690, BF812961, AL134830, AI559296, BE967104, AI890833, AI926790, BF856052, AI269205, AI584140, BF342070, AI687362, AI619502, AI815855, BG026428, AW026882, AI254731,

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HSWBI16	2249	840965	1 - 1108	15 - 1122	BF792558, BG111753, AI755245, AA699512, BF435190, AA902758, AW316898, AU156710, AI042261, BF061451, AI352125, AI091510, AA235116, AA235224, AW021719, AU157629, H05044, AI188771, BG105489, H04649, R69195, AI526053, R19300, R11581, R69083, Z38851, F05010, BG026880, BF987973, AA533553, AK002107, AL359965, and AL359965.
HSXAI44	2250	590743	1 - 1027	15 - 1041	BF215972, AU142894, BE548912, AW270258, AW880698, AI524360, AW270385, AI696854, AA643784, AI635245, AV761433, AA308716, AA044026, AA229935, AW302081, AA464739, AA659832, AA886753, AA515905, AA225406, AW272294, BG120723, AA502818, AW238016, AI802804, BF857849, AI609972, AV764383, BF902798, AI587467, BG249747, BG014630, BE621316, AV758777, AI271681, AW303142, BF673854,

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HSXAJ07	2251	570825	1 - 886	15 - 900	
HSXAS59	2252	838072	1 - 1522	15 - 1536	AA001227, AA001639, AA655015, T87055, T78613, T83593, T83686, T79094, T86995, T83602, AV762741, AA584195, BG180976, AV761188, AV761608, AA654314, AC005209, AC021876, AL136526, AC008738, AP001759, AL136137, U91326, AC007314, AC004815, AC006965, AL035458, AF088219, AC004796, AC008688, AL034420, AL391358, AC004019, AL109984, AC005399, AC005000, AC025436, AL034372, AC004894, AL109743, AC011495, AL117258, AL158828, AC005754, AC019171, AC011475, AL139352, AC004675, AL031432, AC000052, AC007277, AC010206, AL121653, T86047, AC012522, and AC012522.
HSXAX20	2253	562783	1 - 1374	15 - 1388	BF343629, AI769900, AI950020, AA938297, AI765030, AI359370, BE967274, BE967449, AA131343, AI418667, BF447516, F10649, R39187, BF924161, AC002086, AK000723, AC002086, and AC002086.
HSXAY60	2254	737753	1 - 1755	15 - 1769	AI693546, AA418488, AA828182, AA418618, AI498171, AI291075, AI278302, AI371821, AI278298, AI123544, AA121771, AI275072, AA040414, W76589, AA688284, AW609077, AA181683, AI721124, AI088621, AI269299, AI589814, AI347364, AW020811, AI754641, AW020537, AA405588, AI223967, R98183, AI279558, AI368676, AI243152, W72595, AA121770, R98184, AW089522, H49290, AA405587, AA809892, H49291, AI864589, AA923494, AI383594, AW798374, AA040333, AA029595, AA029594, AA721254, AA770629, AI289992, AI343078, AV742984, AW379773, AW303096, AW268291, AI174766, AU145188, BF857555, C18993, AA299189, BF325535, AW162288, AA283730, AA831638, BE393367, AA771760, AA524616, BF724558, AV762242, AC003037, AF157065, AC016752, AC007742, AC024183, AC007965, AC010682, AC073893, AC003002, AL109614, AL499628, AC006064, AC009004, Z69890, AL136418, AC005544, AC004099, AC005080, AC011811, AC007637, AL121749,

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HSXBB78	2255	600373	1 - 1488	15 - 1502	AA583431, AA578683, AA461052, AI267622, AA714502, AV701180, BE874048, AV703012, BE878608, BE881697, AV758680, BE878823, BE873928, BE877266,

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HSXCA83	2256	830046	1 - 2185	15 - 2199	BF979868, AU139403, AI908467, BE889829, AA534879, AI123433, BE566224, AI692197, BE542928, AA767381, BF208045, BF436983, AW511053, AW969335, AI913281, AW955434, AI522156, AI670900, AV724704, BF000574, BE501680, BF105238, AW275367, AI459401, N20936, AI623733, AI627242, AI371861, AU157976, N24391, AU149797, AA831674, AA835896, AI356961, AA417729, AI453036, N27804, AI078123, AI376171, AA480585, BE465586, AI674322, BF670952, AW753110, AU157539, BE087582, AI817344, AI867897, H99142, BF063321, AA825911, AA604689, AA504353, AI829860, AI638163, R16151, AI093185, AA602146, AW753090, AW753089, AI025691, BF438954, AA173422, BF678657, H23392, AW183115, AI866985, N94845, AA782422, AA173512, N63526, AA393750, AA970899, N42975, AW753088, AI202443, AI623734, H23281, W72180, AA779566, R15410, AA769362, R19830, R76511, AW235242, BF794425, R44725, R45927, R76512, AA279923, BG164095, AA361478, AA626869, AL040001, AI468946,

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HSXCX20	2257	658728	1 - 1371	15 - 1385	AW612141, BF196066, BE221739, AI247270, AR035943, AC016455, AC016455, AC068647, and AC068647.
HSXFG21	2258	805972	1 - 3773	15 - 3787	BF529459, BF971371, AW028055, BE891705, BF513244, BE550260, AA523374, BF197174, AI088917, BG034673, BF594052, AA813335, AV724801, AA642518, BF115056, AI913534, AI375627, AI094974, AI762426, AI160294, AI363057, AI810920, AI366006, BF432542, AI083935, BE207458, AW393842, N94766, AI140880, AA406231, BE046402, BE729435, AI275865, H24186, BF347541, T08763, BF931031, AA406503, AA927450, H24076, AI245861, AI695717, BF477793, AI242829, BG003769, H65910, AI866251, AA346905, H50481, AW874172, BE836503, AA350204, BE839142, T33294, AI381945, AW273797, H49959, AA884156, AV724791, H13383, AL039871, BE389433, R86162, AI880142, BE552343, T33927, AA348768, AI252798, H06047, H45889, BF904873, AW900021, N46542, AW513907, T29961, Z40552, M78862, Z44724, AW086129, BF476661, AI572246, AW886906, BE302594, BF946279, BF904866, AA683028, BE828388, C06015, BE383989, AB002379, and AL357412.
HSXFH82	2259	699863	1 - 1691	15 - 1705	BG248599, BE897258, AI123796, AW500104, AV724019, AA618074, AW009391, AW593352, AI352471, AA534567, AW961117, AI991617, AI096349, AI342361, AA807952, AI003985, AA530902, AI124686, AW264300, AA583326, AW960617, AA622481, AI202148, AA427631, AA621795, AW291558, AA531093, H22435, AI632197, AA531084, H23805, AW245268, AA369653, BE266847, BE465767, R54489, AI928578, AW073751, AA904978, H49131, R52619, AI364283, AI380054, AA350726, AW168377, H52798, H52757, H21375, AA335850, AA922767, AA188272, BE619782, R60745, AA454654, R51215, AA181193, H18216, AA327244, AA583774, H49062, BE170266, M61998, AW247606, BF841425, AA293090, AA160926, AA339541, R88551, AA434277, AA708180, AW083021, H21417, AA160020, AW176575, BE393012, Z44719, BF803536, BE782626, BG167830, BG252929, BF968453, BG261260, BF796402, BF968622, BG113712, BG165710, BG163646, BG180295, BG260757, AL039390, BF795712, BG179586, BG111590, BG036465, BG169376, BG251851, BG165260, BG104735, BG108452, BG035330, BG029194, BF797998, BG249858, BF527274, BG181100, BG166490, BF797072, BG111100, BG171463, BF797137, BG180200, BF338002, AL046681, BG029667,

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HSYBD33	2260	612867	1 - 1053	15 - 1067	BF733045, and AA910784.
HSYBR79	2261	873848	1 - 2256	15 - 2270	AL517798, AL517799, BF570287, BE299493, BF569974, AU131215, BE727823, AL530440, BF968828, BE799682, BG248344, AW853457, AA628421, BG180249, BG031468, BG105086, BG163781, BE746310, BE615028, BG027586, BF316001, BE272233, BF308642, BE746960, BE273209, BE745091, AV709809, AW853517, BE272932, BE898741, BE560719, AW887486, AU132164, BF940731, BG169687, AW276260, BE395080, AI911739, BE408099, AW368496, BF203678, BE273466, BG107199, BF025964, BE313812, BE260173, BE395532, AU151561, AI351087, AI457553, AI417841, AA630397, BE383469, AI401556, AI623387, AA406330, BE696019, BG180322, AI688806, BE696025, BG030312, BE269243, AU152997, BE296345, BE560590, AA528205, AA843126, AW853619, AI095728, AA639768, BE927047, AI523824, AU127699, AI288598, AW853609, AW007212, AU153750, AL120403, W00914, AI141358, AW368537, AI950043, BE927043,

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HSYBV44	2262	753253	1 - 764	15 - 778	AI065079, BE874992, BE892671, BE876857, BE876856, AI133004, AI207423, AI133420, BE877148, BE880710, BE880627, BE879950, AI064695, AL048429, BE874187, BE868375, BE875274, BE879401, BE869411, BE881605, BE875450, BE870841, BE875687, AI133218, AV757464, BE878850, AI174665, BE898244, AV762110, AV723905, BE878962, BE871100, BE898249, BE874519, AV761230, BE874595, AV760277, BE876772, BE877713, BE874175, AI064831, BE880447, BE877908, BE878096, BE881402, BE878111, BE880906, BE879567, BE874381, BE877612, BE874343, BE877015, AV701547, BE881500, BE878144, AV763573, AI174946, BE880592, AI133259, BE872183, BE881087, BE881254, BE875048, AV705342, BE876156, BE880672, BE881405, BE879594, AV724826, BE873212, AL037870, BE875830, BE873311, BE877550, BE874369, BE873910, BE875672, AV759596, BE879920, BE876526, BE881644, BE878540, BE881017, AA630934, BE618041, BE883729, AV654563, AV761262, AV725077, BE880379, BE910322, BE878827, AV711083, AV705900, AI061660, BE880231, BE879482, BE877724, BE878393, BE878189, BE878843, BE873745, AV713679, BE868704, BE877092, BE898492, BE879855, AV725312, BE876191, AV764579, AL037849, BE867519,

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HSYBZ94	2263	799543	1 - 3254	15 - 3268	BE614726, AU125155, BF971630, BG166237, BE882876, AA811417, AV753398, BE537851, BE390755, BE397241, AI561016, BE782420, BF686244, BE018811, AU129732, AI378130, BE311677, AI805246, BE263582, AA706211, BE161542, AA857319, AU151810, BF798489, AU148876, AI076907, AL135511, AA708805, AW575193, AA593932, AW499596, BE267076, N40945, AW402229, AW500937, BE546338, BF684350, AA995429, AW512996, AL121191, AW084772, AI766694, AA465501, BE302373, AA767099, H05185, AW444750, AA360546, AA767056, BF948478, AI867756, BE315066, BF876894, Z44552, AA888103, AW078515, N46804,

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HT3AB13	2264	841680	1 - 3336	15 - 3350	AI207522, AV648391, AV732862, BG170789, AI810756, BG231659, AI479283, AI912799, AI040778, AA043501, BF434411, AW021571, AA722870, AV709777, AW021117, AW966983, BF337204, BE220969, BE674528, AA894691, AI765063, AI369368, BE670464, AA988017, BF223738, AV724002, AW026075, AI700680, BF111053, AW470265, H98944, BE672602, AI698014,

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HT4SB02	2265	837688	1 - 3040	15 - 3054	AI026686, AU132879, AU137887, AI131350, AI760526, AU120084, BE293454, AU139973, AU137234, BE748823, BG110391, BE879425, AA974895, BE620401, BF793301, BE788874,

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HT4SB37	2266	600404	1 - 1015	15 - 1029	AW293012, BF196835, AI094883, AI939307, AI422289, AW972841, N21321, BF432468, BE873208, AI671434, AI818197, AA100645, AA516071, AI290363, BF960800, and AP001331.
HT4SB81	2267	756723	1 - 2305	15 - 2319	AW574856, BF844053, BF843128, AI452532, AW408421, AI743684, BE887187, AI819839, AI634923, AI742920, AW365096, AW168329, AI089449, BG236061, AI131382, AI811123, BF111757, BF724119, AI222755, AW206199, AV660818, AI638224, AA310461, W74312, AI653884, AI221512, BE242066, AA759291, W79246, AI796876, AW058015, BF747525, AW172401, R71992, W90716, AI347421, AI306591, BE696644, AW576493, AI357323, AW583765, AA890661, N94173, W87904, R71993, T66975, AW407434, AI250834, T66974, AA745803, H25285, W90715, AI806532, AW607120, AA429250, BF589387, T73129, AU155521, AW580512, AW580484, BF905688, AI932936, AA424782, AA522766, W87803, N63815, AI088944, AA040306, AA833785, BF590986, H67298, BE245829, BF828878, AA040327, AI523833, AW963540, AI269803, AA889930, AA737522, AI309743, AI470452, AA912902, AI215083, AW751938, AI680495, AA026934, AW500452, BF829776, BG153104, AC016683, U63127, AK023421, AC016683, AC016683, and AC016683.
HT4SB81	2268	844512	1 - 2317	15 - 2331	AW574856, BF844053, AW408421, BF843128, BE887187, AI452532, AI743684, AI819839, AI634923, AW168329, AI742920, AW365096, AI089449, BG236061, AI131382, AI811123, BF724119, BF111757, AW206199, AI222755, AV660818, AI638224, AA310461, W74312, AI653884, AI221512, BE242066,

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HT4SB81	2269	858154	1 - 2317	15 - 2331	AW574856, AW408421, BF844053, BF843128, BE887187, AI452532, AI743684, AI819839, AI634923, AW168329, AI742920, AW365096, AI089449, BG236061, AI131382, AI811123, BF111757, BF724119, AW206199, AI222755, AV660818, AI638224, AA310461, W74312, AI653884, AI221512, BE242066, W79246, AA759291, AI796876, AW058015, BF747525, BE696644, R71992, AW172401, W90716, AW583765, AI347421, AI306591, AW576493, W87904, AI357323, AA890661, N94173, R71993, T66975, AW407434, T66974, AA745803, H25285, W90715, AI806532, AI250834, AU155521, AW607120, AA429250, BF905688, BF589387, AW580512, T73129, AW580484, AA522766, AI932936, AA424782, BF828878, W87803, N63815, AI088944, BE245829, AA040306, AA833785, BF590986, H67298, AA040327, AI523833, AW963540, AI269803, AA889930, AA737522, AI309743, AI470452, AA912902, AI215083, AW751938, AI680495, AA026934, AW500452, BF829776, BG153104, AC016683, U63127, AK023421, AC016683, AC016683, and AC016683.
HT5FX76	2270	637118	1 - 629	15 - 643	AL523838, AL520812, AW170628, AL520421, AU149076, AI924788, AU149089, AU149206, AI869957, AI911098, AU148929, AU144457, AW293290, AW339008, AW001463, AW673957, BG056500, AI523979, AW071123, AW612964, AA938315, AI380698, AW192458, AW167428, AI925055, AI751467, AI085907, AI359170, AW778953, BG056713, BE788605, AI826959, AL522505, AI888633, AI469432, AW674688, AA938313, AW305137, AW152667, AI700120, AA971084, BE727863, AA577210, AW007892, BE297230, AI598070, F30136, AW510371, AW298650, AI568214, BG056035, BF513754, AW674821, BE727232, F36882, AI459683, F25111, N30367, AA434230, H25709,

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HTABF81	2271	610040	1 - 1606	15 - 1620	AI825880, AW972066, AL515454, BE045338, AI609280, BE868061, BF343608, BG171087, AA932209, AW970237, AI829037, AA668785, AW377431, AW995461, AA516010, AW663087, BE157423, BE157403, AW390196, BE157404, AI903990, R11777, AI090409, AW857920, AA045300, Z44822, BF377495, AW298027, AW390406, AA263146, AA045406, AA361643, AA101536, AW505484, BF751645, BF374928, BE736973, BE538922, AI903818, BG255756, AW993854, BF966388, BF326601, AA128248, AA919041, AV653382, AC004622, AK025620, AF131831, AF189692, AC004749, L81394, AC009016, AC008497, and AC008497.
HTACX63	2272	602694	1 - 1081	15 - 1095	AW265684, AW275714, AA736485, H07900, AL038434, AW813002, AI285709, AA579437, BF337536, AC005218, AC009244, AL390738, AL162390, AL158832, AC083870, AC007316, AL137162, AL121825, AP001711, AL031575, AC007052, AL139331, AC002365, AC008403, AL121893, AJ400877, AL356244, AC004703, AL049762, AC018507, AL158824, AC020629, AL137787, AC008816, AP000272, AL118520, AC005017, AC017093, AL109613, AC007199, AP000104, AC005684, AL160175, AC006597, AL021155, AC005829, AL050312, AC004216, AC022013, AL354864, AL121749, AC004601, AP001714, AL109758, AC005225, AL034429, AP001670, AC008078, AC008482, AC007425, AC006330, AC016716, AC002429, AC009298, AJ003147, AL353748, Z84488, AL159977, AC007282, Z99495, AC004859, AC083866, AC009331, AL031774, AL031595, AC007314, AC004662, AC005218, AC005218, and AC008695.
HTADC63	2273	842131	1 - 2444	15 - 2458	BE899132, BE741474, BF974503, BE745971, BE512798, BE271604, BF793368, AL524716, AL524717, BE740840, BE747082, BE545246, BF204868, BF238214, BE740264, BE872021, BE676712, BF663868, BF034885, BF815297, BF129041, BF732782, BE271970, BF663799, BE272572, AA683481, AW965883, AW574880, AI692400, BE336644, BF128962, AI290663, AA632158, BE220608, BE562118,

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HTADO61	2274	695760	1 - 1113	15 - 1127	<p>BG109419, BG249645, AW953815, AA053874, AI090768, BF757645, AA059468, AA015713, AW304193, AA019297, AI190357, AI983584, AA740696, AU156779, AI272120, AI139772, AA018807, BF001541, AI249888, AI150438, BE645310, AI683034, AI123855, AI908119, AI693704, AA027760, BF182631, AI090695, AI335948, AW025442, AI360074, AI066653, AI343725, AI127348, AW269623, AI086509, R02578, AA907666, AA018244, AA953242, AW593564, AI244884, AU154998, AI991342, AW071801, R42510, AI826680, AI539534, AA759222, AA813399, AA432250, R85668, BE855648, AA533601, AA508864, AA046210, R49698, AI918925, H86744, H86661, AA513341, AA826646, BF795253, H83556, AU157225, AI659050, R44365, AA127097, BG255238, AA961261, AA259124, AW449000, AW748143, AW062268, AI659756, W19768, AA125912, BE875125, AW137890, BE794846, H57364, H83448, AW024080,</p>

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HTADQ22	2275	561960	1 - 364	15 - 378	AC069304, and AC069304.
HTAEC59	2276	846728	1 - 2042	15 - 2056	AL518387, AL537251, AL518388, AL537962, AU120045, AU143467, BE618325, BE888390, BF979947, BG163829, BE738544, BE778393, BG253946, BG251730, BG121731, BG117207, BG028796, BG112174, BG168484, BG119089, BG114838, BG255528, BG165894, BE738186, AU139868, BG027096, BG255428, BE872869, BE781754, BG031333, AW953669, BG252084, AW953026, BF982894, AI130898, BG027710, BE613898, BE747020, BE545361, AL534425, BE779967, AV716061, AW964002, AI951371, BG179682, BE892360, BE785813, BF978304, BF131427, BE645727, BE544150, BG168222, AA195066, AU139652, AU131013, BF677639, BE538930, BF982773, BF339872, BE963357, BF978651, AA855044, AV762782, AV714132, AU134803, BG058695, BG024620, AU137729, AI057567, BE465130, AI831458, AV713959, BF574376, BF679802, BF448062, BF432055, BF978620, BE888541, BG110864, AW005683, AW264226, BE501434, BG033652, BF218461, BF382801, AI889335, BE548349, BE620725, AW071004, BF698233, BE904314, BE563990, BE466287, AU135489, AA194976, BG259870, BF215202, AA165477, BE958074, AI669391, BF217663, BF791208, AI683548, BG165925, AW960018, BE738023, AI378591, BF242041, BE620380, BG112335, AL038003, BE884430, AU139604, BG115991, AA164611, AI333593, BF219338, BE968659, BE873048, BF037258, BF115974, AA988124, BF959280, BF696047, BF960009, BE545640, BE777608, AI804442, AW955436, BE868126, W72647, BF960904, AU118179, AW020027, AW511511, AA159801, BE835263, BF333352, BE865885, AI923427, N57276, BG104691, AA423939, BE866615, AI375445, AI093454, AV700090, AA165596, AV758368, BF382976, W65385,

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HTAED89	2277	801931	1 - 2352	15 - 2366	AW383251, AW974765, BE219710, AA868078, AA613031, AW383254, AW383221, AW383199, AC006116, AK022596, AL035461, AF016183, AL136168, AC010289, AC018719, AC011479, AC083871, AL096701, AC004131, AF053356, AC007371, AL161725, and AC008551.
HTAEF02	2278	847134	1 - 2747	15 - 2761	AL117342, and AL117342.
HTAEH58	2279	824756	1 - 1587	15 - 1601	AI650654, AC018644, AC010412, AL450169, Z98036, AJ009611, Z49154, AF243527, AP001710, AF003626, AC006452, AC005516, AC004966, AC004865, AC027253, AC027253, AC027253, AC018644, AC018644, and AC018644.
HTAEO35	2280	732379	1 - 1500	15 - 1514	H57751, H57752, AA548382, BF812696, AW157128, AI890297, AW338376, AA171400, AI038029, AA618531, AI732690, AA554289, AW410844, AW192518, AW265468, AI270280, AW162762, AI114755, AI335387, N99245, AA218684, N26159, AW962942, AI061313, BE882869, AW505253, AA807704, AW963552, AL523272, AW974363, AI732710, AA084320, AI732677, H24331, BE676900, AW516250, AW473160, AA557945, AL121039, AI702049, AV712092, AA610491, AI732720, AA533660, AW075979, AI039257, AW148821, AA642809, AI926728, AW129188, AI000314, BF804385, R99034, AW151541, AW969941, AW970856, H05066, BE747923, BF882222, AI066646, AI251024, AI284640, AC002990, AL135924, AC087089, AC005036, AC020655, AC007242, AL133244, AL078584, AC022392, AL160234, AC008887, AC011440, AC035149, AC004965, AC020977, AC002407, AC008490, AL356801, Z92542, AC017092,

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HTDAF68	2281	637685	1 - 1065	15 - 1079	BF346320, AW779609, AW968341,

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HTDAI38	2282	878930	1 - 2800	15 - 2814	AL530952, AW607752, BF795959, AL530951, BE548970, BE798382, BE869332, BE397108, AI309784, BE268788, AW814061, BE538365, BF696114, AA581862, BF130791, N23776, BE613845, BE207714, BE783978, BE893808, AW408133, BE561886, AA134507, BE147231, BF725115, BF975220, AW674022, AA934085, AI085141, BE536745, AI373862, BG027200, BE872307, BE930978, BF688904, AA056681, AA190868, AA576904, BE047707, AW405729, AW083442, AA130537, AI923654, BE062611, BF688679, AI124761, AA833777, N54318, AW157739, BE930889, BE614452, AA693823, BF438368, AI291716, AA287477, AA825509, AA453764, N51244, AI127887, AW402486, AA405643, AA935044, AI034258, BF435006, AI612718, R73508, N57731, AA453848, AA947919, BE279636, AI863465, R73507, AI357319, N70151, AA594389, D20031, R85271, BE396901, AI348539, AI752568, AA282812, H80451, AA056577, AI299844, AA447114, AI435405, BG111836, BF089893, AA769652, AW674804, AI245333, T59938, AW895036, AA405491, AA430461, AW964756, AA767858, AA004632, AW872944, AI739514, AI027146, BE244574, T51512, AI039014, AW752261, AI457631, AA861831, BF340871, H90800, BE270002, AW874574, R86106, N59698, BE622223, BF759810, AI282985, AW630158, BE541094, AI189265, R55556, AA374108, AI208531, AA004233, AW614997, AA748116, AA304729, AA341200, BE269232, AA287378, AI619932, AA768035, AI301014, AA190961, T51659, AW407781, T60008, AI091804, AW054870, N98347, AW848635, AW848150, AW848688, AW848076, AI863667, BF055169, AA282689, BE244757, AA339986, BE244787, N93782, AA600299, AA347086, R48029, AW952053, AA888767, BE903791, BF839912, R47921, AA356401, AI635385, AI752569, AA714693,

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HTEAJ87	2283	866486	1 - 2186	15 - 2200	AW070746, AI306467, AW838226, AA234378, AA243023, N50178, Z44963, AI207079, AW838210, H22807, AA911471, F06760, AW838416, AA709271, C16025, AA382726, AA971885, H39984, AW059678, AW838153, AW901324, BE966443, BF814453, AL514623, AI690813, BF530637, AI922278, AI612107, AW081383, AI249946, AI538850, BG030601, AI636588, AI261589, AI934011, AI783569, AI635016, AI267379, AI345477, BE138624, AW268122, AA641818, AI613038, AI640370, BE966550, AI890907, AI633125, AI813321, AI701097, BF752997, AI473536, AI659795, AI863382, AI802542, AI590043, AI638644, BE963909, AW008226, AI884318, AI349640, AI583578, AW303179, AI336581, AI345688, H41759, AW082532, AI472680, BF811804, BE961406, AI335207, AI344789, AW834282, AI250070, AI583670, AI554821, AL514449, AA019328, BE892325, AI336631, AW301513, AI580027, BE966496, AW072719, BE963355, BG122005, AW166870, AI954721, AW007597, AL046466, AW268221, AW268302, AW301459, BF724894, AI318159, AI251963, AI571439, AW301500, BG167403, AI698391, AW196720, AW302954, BE047833, AI559752, AW269083, AI421662, BG114304, AI678446, AI336582, BE962898, BE875442, AW983832, AI885982, N25033, BE393784, AV747571, AI345587, AI824746, AW301505, AW024921, AI479292, AI538564,

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HTEAN76	2284	830399	1 - 952	15 - 966	BF968577, AV752109, AW968702, AV719534, BE798860, W95754, AA629955, AW958961, AW152094, AW440429, AI249008, W95797, AW958643, AA530982, AI952281, AA587944, N56984, AW512036, AI143890, AI815614, AA480147, AA158769, AA973487, AA001629, H18106, N47368, AA962282, AW972120, AA001628, H27837, AA159571, N53401, AA907379, AW511581, AW511590, AW511582, H18148, AA382884, AA485201, T96879, AW129242, AA677796, AA385921, T36056, AW368300, AW958644, T96878, AA384878, AA485088, AW273673, T25513, D45668, BF376682, AF197137, and AF197136.
HTEBL56	2285	581100	1 - 1498	15 - 1512	BF977181, AI692292, N36270, AW340112, AI074171, W95520, AW205396, BE380104, BE219862, AW966422, N31344, N21389, H99200, BF223577, AI963775, N24483, N24816, N27577, AA928229, AI351815, AW087502, AA628368, AI612838, AI471205, AA411244, AA236269, AW628038, AA383799, AA411169, AI684000, H99809, BE379672, AI093681, AI879064, AI147292, AI343379, BF528433, AV709390, AI380190, BE084795, BF918149, AV726058, AI446139, AL046200, BF750907, N22341, AA830333, AA811757, AI241678, AV757372, BF968017, BF793246, AV711528, Y09980, AC009336, U56401, D11117, AL137465, AK024944, AF061943, I08319, AF111845, I03321, AL137550, AJ299431, AF262032, AF116698, AK025113, AF102578, AK026593, Y18678, AJ238617, AF044221, AF090900, AF130055, AF132205, U58996, AC009336, AC009336, AC016739, and AC016739.
HTECE87	2286	702025	1 - 932	15 - 946	BF346821, AW957993, AA280769, AA378985, AI016927, AI963454, AL133676,

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HTEDF78	2287	564215	1 - 1556	15 - 1570	BF915002, AA502991, AA480792, AA659360, AW275498, AV743392, AA728812, AA829490, F12561, AW301385, AL135357, AW995323, AA303007, AV730854, AW975378, AA828062, H79719, AI733856, F08248, BF871137, AA579205, AA088727, AW089101, BF915107, AW849711, AV703573, BE167511, AW023149, AW969667, AW901478, AW968341, AV764362, AW979253, BG026259, AA654661, AC004853, Z94056, AC007907, AC005519, AJ246003, AL008710, AL022144, AC009179, AL138716, AC006388, AC010609, AL132639, AL121658, AC004687, Z82198, AC005324, AK022206, AC004975, AL139184, AL359434, AC002072, AL022099, AF270552, AC000391, AC002323, AP000350, AC005701, Y11484, Z68323, AL354835, AL157791, AC000087, AL121751, AC007954, AC004805, U20391, AL355385, AK024143, AC018801, AL136992, AP001684, AL021398, AC002448, AC007597, AL160414, AP000349, AC005803, AC005379, AC005522, AL356299, AC002429, AL161781, AL121890, AC005788, AC008887, AC011440, AL353748, AL031311, AK026449, Z99758, X90590, Z97180, AC004865, AC007033, AC008119, AC004913, AL136179, AL109802, S41458, AC005512, AL049776, AL118512, AL450482, AD000812, AC004821, AC035149, AC005682, AC005353, AL353092, AL121981, AC009178, AP000223, AC007249, AL031033, AC005696, AL022329, AL035705, AC011527, AL499628, U91321, AC002483, AL139095, AC006344, AC006064, AC004851, AC011513, L78833, AC005193, AC007565, AL008708, U96629, AL023803, AC006509, AP000322, AL157384, AC002316, AL021154, AL355392, AL021393, AC010627, AL008583, AC021016, AC002400, AC005211, M13792, AL023281, AL121757, AL079340, AP000086, AC007590, U79746, AC007956, AL136164, AC005476, AF090940, AL033517, AC005777, AL035423, AF258546, AL031283, AC005500, AC007277,

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HTEDT87	2288	779267	1 - 2404	15 - 2418	AW025332, BE387500, BE272406, BE170710, BE272472, BF327058, BE386928, AW953402, AI344208, AA829945, AI128091, AA558424, AW172323, AW665097, AI332592, AW073744, AI379522, AI140440, AI271642, AA724234, AI570618, AI799429, AI343766, BG028910, AW305376, W46979, AI344640, AA203663, W47080, W22559, AW148745, AI370859, AA838157, AA449343, AA746222, AI753770, H16882, W00616, BE868614, AI688886, AW631117, AI284278, BE180450, AA988314, AA449602, AI335749, AA768148, AI313415, N40824, AA564697, AA844390, BF036414, AA829787, AA960941, BE315439, AA552138, AA574224, AI056257, R96563, BE302419, AA351620, T75035, AA760625, AI038229, AA027114, F12705, D11952, AW850952, H16773, AW810600, AW072929, AI357357, AA355276, AA741538, AI197799, Z17889, BE707416, AI432022, R43650, R46733, R21138, AW183367, F10313, R96518, BF374593, AI205866, AW809916, AW387951, AW609111, BG058270, BE842266, BG027280, AA190209, AA585183, BF352428, BF746984, AA585377, AK025775, AL121673, AL121673, AL121673, and AL121673.
HTEDX05	2289	862064	1 - 2206	15 - 2220	AI828638, AW269917, AW877199, BE500954, AI220424, AI655990, AA279223, AW504756, AI827790, AW003980, BF855180, AA844642, AI242202, AW504751, AI367541, AW104403, AI797647, BE763464, AW935618, BG255473, AA460018, AI885804, BE709624, W86937, AW938353, AI025345, AI216381, BE709977, AI274728, BF970652, AW087954, AI554821, AI247193, AA568405, AV746791, BF814450, BF725644, AW051059, AI859983, AI698391, BF699580, AW673679, AI241901, AW827289, BG166654, AI625316, AL513723, AI289791, AL120819, AV712672, AI567582, AI335363, AI932794, N71180, AL513907, AI801523, BG180996, BF812960, AV710950, AI312428,

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HTEEC19	2290	862065	1 - 1707	15 - 1721	AU125253, AL528092, AI768256, AI761569, BG251210, AL528091, BE874452, BF796516,

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HTEGH03	2291	815562	1 - 2253	15 - 2267	AL048161, AV756562, AA909018, BG120125, AL048162, BG117599, BG253610, AW994262, BF345118, BG163969, AW994017, BF446136, AV722179, AW581919, AW051405, AW149388, AI694338, AW994275, BF514688, AA031345, AU150840, AA075396, AI826424, AW270039, AI095661, BF512646, BE568445, AI041843, BE813590, BE813550, AA806975, N27847, BE042640, AI185175, AI080009, AI828245, AA582900, W56252, AI243105, AW273745, AI806874, BE813601, BF109980, AI424016, AI276043, AI621114, AI081288, BE835171, AA426489, AA102852, BF345179, AA075446, BF814162, AW662010, AI740871, AI937560, AI693820, BG112799, AW953094, BE958244, AA564827, AW967023, AI620742, BE463563, AI922672, N26138, AI571483, AI984159, AA878083, BE677125,

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HTEGH03	2292	839477	1 - 2144	15 - 2158	<p>AL048161, BG120125, AV756562, BG117599, AL048162, AW994262, AA909018, BG253610, AW994017, BG163969, BF345118, AW581919, AV722179, BF446136, AW051405, AW994275, BF514688, AW149388, AI694338, AA031345, AA075396, BF512646, AI041843, AI826424, BE568445, AW270039, AI095661, AU150840, N27847, BE813590, AI740871, BE813550, AI080009, AW273745, W56252, AI828245, AI243105, AI081288, AI424016, AA582900, BE813601, BF109980, AA075446, AA102852, AA426489, BE835171, AW953094, AA806975, AW662010, BE958244, BE042640, AI693820, AI185175, AI571483, BE463563, AI620742, N26138, BF345179, AI922672, AI806874, AI276043, AI621114, AA430130, AW604600, AI984159, AI937560, AA132449, BE677125, AI473775, AI266708, AW967023, BE162523, AA552115, AA564827, BF814162, AA102851, N26846, AA709389, AA058717, AA056448, AA878083, R81559, AI623865, BF570628, BF095777, AA057272,</p>

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HTEGS48	2293	561492	1 - 749	15 - 763	AI126228, AP000855, and AP001675.
HTEGY81	2294	637689	1 - 1120	15 - 1134	BE938705, BE812334, BF215711, AI609753, AA416803, W86630, BF223648, AW771419, BF028196, H38119, BE834335, N53903, BG171114, AA015603, AA629680, AW135279, BE857550, AW952522, AW085622, AI627872, AA333446, AA903705, BE548488, and AI272986.
HTEHB11	2295	824739	1 - 949	15 - 963	AA885159, AC025674, and AC025674.
HTEHB49	2296	823145	1 - 1862	15 - 1876	AI688500, BF439355, AW964997, AW469267, AI932298, AA774250, AI803950, AI810009, BE501432, BE350295, BE501424, AA676898, AW298009, AI697400, AI250894, AA495804, AA884043, AA909362, AA495741, N92666, AA970235, AA773792, AW955939, H63421, H63478, T84433, N99612, T88799, T85280, T89995, AA336789, T85490, T82815, AA342383, AI913686, AW418722, BE501439, and BF885211.
HTEHS91	2297	862067	1 - 2188	15 - 2202	BF794285, BG252095, AW965312, AW977747, AA443175, AI126305, BF195835, AL044740, AI338421, AA679079, AI913238, AI333023, BE244122, BE246211, AA972520, AA838427, AW605328, BE907520, AI307325, AW630931, BF222431, AA463484, AI805628, AA828370, AW078809, BF923727, AW006036, AA587907, AA922459, Z45320,

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HTEHV60	2298	637690	1 - 1302	15 - 1316	AI240184, AA931321, and AA907587.
HTEHW80	2299	862068	1 - 1153	15 - 1167	AU120416, BE897079, AL135377, AI733856, AA410788, AI679782, AW269504, AU147162, AW969743, AV759632, AA483606, AI952574, AW973992, BF805088, AA812058, AW271977, AW328000, AA570740, AI339845, AW328331, BE676019, BE062478, AI755214, AI754567, AW500684, AI080618, AA228778, AI636627, AA568204, AW576251, AI499954, N93272, AA644090, AI754105, AV757289, AA535216, AI612142, AL038842, BF854308, BE138484, BF816093, AA847499, AI358089, BE063437, AA704393, BF821897, AW265688, BG250286, AW969941, AI251576, AW468009, AI610941, AW338021, AI284045, AI583252, AV719392, BF725884, AA501782, AI306232, AA579179, BF857849, AW338035, AW805539, AA904275, AV760915, AW300749, AV760508, AW969629, AA877992, AA513551, AA584765, AA584538, AV730986, F00564, AI583466, AW806990, BE501593, AI114557, AL079734, AW274191, AL048275, AI141130, AI061313, BF804385, AL042373, AW505253, R44593, AV764259, AI056177, AA307598, BF821009, AA558404, AW979191, AA503298, AV703785, AA719073, AA502991, AA601278, AI801563, N23504, AA584489, AA443390, AI249688, AI050076, AA569667, N72170, BE143025, AI380617, AV701116, AU147529, AA635433, AV762633, AW069227, AW469214, R95840, AW575605, AA809546, AI587583, AI280266, T74524, AW237905, BF991881, AW504168, AU119532, AW338506, AA524616, BF681619, AI587565, AW327624, AV695478, AC002091, AC000353, AC007676, AL022718, AC010748, AL049836, AC006061, AC009079, AL049868, AP000065, AL121652, AL096712, AP001698, AL035422, AC008664, AL121914, AL117258, AL035420, AC002395, AL050349, AP001667, AC011235, AL034548, AC007541, AC000026, AL034412, Z95114, AL137162, AC011497, AC004019, AF205588, AC010150, AC006013, AP001760, AC001231, AL034372, AL162430, AP001694, AL022726, AC005052, AC012384, AC007014, AC005041,

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HTEID25	2300	737852	1 - 1422	15 - 1436	AV745184, AW273929, AI382780, AW629158, AW072227, AA994512, N27455, AW665817, AA418538, AL042432, AL041573, BF343167, AL035730, AV682592, AL049648, AF101438, S69381, AK026844, I61429, E07108, AL049648, and AL158849.
HTEIJ23	2301	784268	1 - 2579	15 - 2593	BE907741, BF034896, BG028481, BE790657, BF037306, AL042545, AL042546, BF541079, W58353, BE675985, AA907303, AA953652, AW959006, BE300717, BE392318, AI492874, AI022228, AA443785, BE349373, AI050680, AI830393, AI248849, AI963898, AA425226, AW593023, AA972233, AI393329, AI922079, AA486183, AW006562, AI284924, AI348691, AA657402, AA810245, BF109458, R31395, C19029, AA836184, AA369797, AA220967, BE300718, N56692, AA952982, R79257, AA004857, BF222336, N30351, AA814790, AI270654, AA004668, H03146, H03955, D78990, AW953824, AA757308, AW779164, AA369798, AA476841, H02586, BE245931, AA361347, R79158, BE264653, AA147074, BE268104, BE814778, H02675, U48339, T85057, AA811887, T85056, BE268162, AA360687, AI358684, AA383159, AA327901, AA425502, BE552474, AA147107, BE264336, AA906776, AA872664, BF887908, AK000370, and AL389943.
HTEIM62	2302	806472	1 - 659	15 - 673	BE348253, AI037850, AA883788, AI351718, AA450320, AW118960, AW001672, BG025172, AV741606, AA729272, AA729354, AA471225, C21492, BF800701, AW196666, AF161528, AC008521, AL355385, Z81002, AL391867, AC005324, AL138713, AC018673, AL136223, AL031659, Z98036, AC003982, AC006483, AF101874, U01882, AL121653, AC005933, AP000552, AF064863, AL139378, AC026474, AC026474, AC026474, AC026464, AC026464, AC012040, AC012040, and AC012040.
HTEIV33	2303	603393	1 - 1037	15 - 1051	AW269794, L78833, U37574, AC006480, AL139342, Z93017, AL080239, AL133377, AL080277, AL132657, AC010582, AL136180, Z83826, AC011290, AL359704, AC073868, and AC073868.
HTEIV65	2304	570826	1 - 729	15 - 743	AV686346, BF037484, AA427700, AL515375, AI608936, AI804983, AI796743, BF822127, BF526020, BE905856, AW117746, AI288285, AW026882, AL045266, AI932794, BG031815, AI251830, BF968205, AI582932, AI636719, AI591420, AL121286, AI434468, BF970768, AI538716, AV746964, AI537303, AI281772, BE910373, BF792961, AI888944, AI499285, AI174394, AW050522, AV704934, AI648663, AW268220, BG250190, AI281782, AI334450, AW129916, AW071349,

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HTEJC50	2305	637691	1 - 415	15 - 429	AW173010, BE466670, AW269746, AI217106, AI217104, AW269756, AW182519, AA983928, AW104540, AI808907, AL122023, AL132838, AL132838, AL122023, AL122023, AC027105, and AC027105.
HTEJD20	2306	637687	1 - 1457	15 - 1471	BG113717, BG027817, AI041979, BE504096, N25626, AA703946, BE674699, AI871951, AI435879, AW205936, AI871945, AW043594, AI674360, BE963431, AA253309, BF438714, BE618648, BE645131, AI347565, AI367602, AL047564, AI580123, AI078673, AI698047, BE677512, BF055148, AA134112, AA205327, AI222232, AA831557, AI360271, AI745174, AI698675, AI826615, AI554903, AI417677, AI333335, BE503069, AI566183, AI253620, AI361113, AI248726, BE677503, AA115872, AA826600, AA405630, AA234788, W81032, AI301030, AI393132, AW157803, AI826759, AI003585, H69420, AA464958, H46978, AA457543, AI784110, AW293059, BE671074, AI619860, AA962426, C75159, AA302630, W88641, H59289, BE670359, AA829497, AA809727, AA252903, BE927361, BF478016, AA115873, AI278996, H50563, BE158601, BF477490, AW207299, AI680965, AA984914, BE927375, AI768465, BE047295, AI381491, AI870263, AA937976, AW168819, AW167313, AA234721, AA927483, AW513031, AI922412, BF056969, AW172822, BG166439, AW072542, H39553, AI990809, AW189221, N73528, AA234667, AA234092, AI469088, AA725499, AI812106, R08678, AA629539, AV750439, AA130297, W81069, AI565478, AA724408, AA370189, AW602400, AA987462, AW936053, AW754057, H17450, AA465032, AA383206, AI955885, AI700553, AA702262, R51044, R09408, AI743616, AW192809, AW341096, BF433582, BE047176, AI201873, N34224, AW770633, BE045621, AW150155, AI671362, AI539403, BE503132, AI623924, AI800270, AW270194, AA169392, AI624863, AW002809, AI935681, AW130212, AI623851, BF109285, AA788650, AI042034, BF002902, AI564249, AI624047, AI733409, BF724651, AI683793, W84622, AI564173, AW419167, AI926281, AV754007, AW194288, AI453231, BF980290, AI672366, AA426189, AV754606, AI371324, AI247246, AI694531, AI859468, AI783522, AI499139, BE218962, AI625585, AI767147, AA457743, H69323, AI310735, AI570113, D61425, BF529824, AI093680, AI279129, AA827587, AA962745, AA789104, AA029807, BE618387, AW750186, AI935395,

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HTEJD61	2307	828178	1 - 1140	15 - 1154	AI808141, AI872360, and BF028853.
HTEJF31	2308	762831	1 - 381	15 - 395	BF056874, AA719259, BE046977, AA416572, AA416676, AI337070, AI797656, AA402604, AI654971, AA398488, AW449340, AI188119, AA860344, AA725683, AA860397, AI218844, AW241563, H48932, AW827285, AI471429, AW087445, AL041150, AI348914, AL120254, BE878014, AI929108, AI474646, AW021373, AW161098, AL036403, AL036705, BE047833, AL110306, AI254727, AI800370, AI491710, AL037630, AI866465, BG114104, AW078818, AW189332, AL514793, AV681924, AI538764, AI446373, AW162194, AW020397, AI655841, AI494201, BE886686, AI927233, AL046595, AW020048, BE964323, AI537643, BF924884, BG029053, AW059877, AV707062, AW076127, AL036638, BF814447, AI251221, BF871314, AI242248, AL118781, BF969316, AV728833, AI538885, AI634400, AI521799, BE011880, AV729627, BF904265, BG029829, AV718300, AI540458, AI961631, BG032036, AI539771, AV682488, BG029457, BE538997, AI500061, AA760884,

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НТЕП29	2309	824733	1 - 961	15 - 975	BE732222, BE732589, AW411043, AI096771, AV727819, AV703555, BE393551, AW021717, AV682345, AW411235, BE965481, AW265004, AW020710, BF683521, BF814357, AI683492, AA100772, AL046632, AV727822, AW023351, AA853213, BG181012, AI926593, AA259207, AV705693, AV749238, BG029709, BF911554, AW087217, AV728157,

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HTEJL16	2310	603409	1 - 1144	15 - 1158	AI026932, AI381520, AI932394, AI221884, and AC008169.
HTEJP65	2311	596826	1 - 740	15 - 754	BF000047, BF707426, AA758005, AW071523, AA412625, AA992683, AA428661, AI797938, AI798690, W04744, AA382413, N75302, D59805, D80192, D59690, AA412484, D80191, D80340, AA312797, AC009244, and AF086124.
HTEJY20	2312	840706	1 - 2894	15 - 2908	AL041066, AL527107, BG254677, AI422867, BF978926, BF978521, BF691445, BF978593, BF978419, BF691547, BF691832, BF977446, BF691536, BF978874, BF978850, BF978083, BE566091, BF691472, AA524005, BF978565, BF673220, BF978716, BF691857, BF978977, BF665370, BF732480, BF976830, BF977308, BF570682, BF978987, BF978950, BF978838, BF978931, BF691287, BF978938, BE464212, BF978049, BF976834, BF979248, BF979024, BF979235, BF571594, BF691341, BF976961, BF978635, BF979005, BF977373, AI090206, BF977283, AW297812, BF979178, BF977749, BF208114, BF978963, BF977582, BF979031, BF976917, AV719282, BF979010, BF977036, BF691747, BF978698, BF977343, BF572952, BF977341, BF978999, BF977680, BF977099, BF977600, BF978661, BF572765, BF692196, BF977157, BF978292, BF977095, AW352277, BF977741, BF978683, BE866583, AI672079, BF978782, BF979242, BF977719, BF571995, BE958184, BE568061, BF977220, AI804103, BF570963, BF977731, AA938319, BE565122, BE328577, BF978175, BF978114, BF570671, AL041065, BF977608, BF665092, BF977758, AW297645, AA393641, BF977866, C75230, BE186012, AI095794, AW952568, AA435679, AI272755, BF894089, W94167, BF977991, AI418990, H42329, BE092588, BF570692, BF541999, BF978155, BF976899, AI421140, AA044031, BE186006, W63767, AA335501, H22525, AA279380, H25477, AA470655, BF691667, BE092393, AW468904, W94610, H41626, BE092433, AA044353, H88910, AA648392, H88909, AI423341, AA876426, W94648, H22526, AL527176, AV709215, AW891724, AW974449, BF054968, AA279112, BF978723, AI419653, N89112, R58582,

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HTEKD35	2313	604979	1 - 674	15 - 688	
HTEKP82	2314	694648	1 - 916	15 - 930	AI830073, AI332298, BF674731, AA725122, AI623753, H07026, AI139130, AA065113, AI560620, AI041071, N79571, AA719802, AA125829, AA136618, AI003740, W37272, AA846630, AA778599, AA397951, AA136749, AA435770, AW205330, AA021175, W16608, AA064797, N53890, AA125828, AA843666, T94459, AA400783, Z42180, AA400936, AI198934, W33208, N83402, AW946321, and AA393913.
HTEKV69	2315	877673	1 - 1649	15 - 1663	AA393779, AW135265, AI027746, AI654903, AI963884, AI797613, AI740992, AI992090, AI335426, AI348777, BG029058, AA587120, AW827206, AA765198, AI648699, AI471429, AI474699, AL040602, BG153044, BG058273, AI635861, BE011880, AI916720, AW151766, AW075382, AV717173, AI499325, BG105412, AW022000, AI633061, BE877327, AA194303, BE790023, AI371442, AV711817, AV708893, AV709314, AV653353, AV708381, AI499508, BE881272, AV682323, BE877142, AL042515, AI802998, AA099909, AA713781, AW022636, AI636203, BE878175, AV704042, AV704847, AV710972, BE877515, BE876703, AV727029, BE876955, BE889015, BF033719, BE878108, BE880661, BE877708, BE880785, BE875812, AW409775, BE875027, AW827097, BF795965, AI469516, AI287476,

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HTEKZ52	2316	762832	1 - 274	15 - 288	
HTEQG28	2317	840031	1 - 1705	15 - 1719	AC069320.
HTFOB75	2318	900824	1 - 3285	15 - 3299	BE733024, BG109730, AU140104, BE546473, BE889571, BE889587, BE730721, AU138672, BG259764, AI718282, AI709383, BE779177, BG163913, BG031798, BE734224, AV707879, BE408475, AW368622, BE900705, AW272235, AW470101, BF435568, AW471310, BE891068, BE386130, BE901385, BF980199, AW392816, BE894916, BE903247, AW392815, AI628226, AW076072, AW392813, BE734460, BG122367, AW470123, BE540311, BE273197, BE549113, AW080807, BG235985, AW769234, AW499944, AL138202, AI887486, AW629754, AI984572, AW996987, AL353974, BF895267, AI859535, AI523527, AI832002, AW131290, AA777248, AI922765, AI346505, AA922780, AU157701, AA557382, AW069693, AW269811, W72219, AI608617, AW392812, AA527142, BE018323, AU149675, AV745125, AW391835, AI688405, N53751, AI754303, AA984515, AW392811, AI752688, AW952058, AA988930, AA196632, BF882253, AI540975, AI858111, BF881265, W44724, AI300865, AW130787, BF814383, AA569878, AI087219, N40921, BF881427, W77963, BF881428, AA651871, AV711035, AA553499, AW338074, BF083071, BF881961, AI985931, AW168405, AI700311, AA988997, AA621239, AA700296, AW406945, AA729147, AW572680, AA814336, BG012052, AW007940, AI351536, AA653632, AI038164, BF094471, AI123294, AA570128, AL138350, BF881257, BE829522, BF154863, AA514830, W76103, BF198080, BG236222, W72868, AI168835, AU158304, AA847366, BF993072, N73108,

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HTGAA35	2319	737945	1 - 1619	15 - 1633	AU151751, AW963489, AI887797, C14614, AV757180, N63897, AA829565, AI499954, AW972298, AW272389, AA262464, AW819483, BE245594, AW169183, AW979295, AI568702, AI791426, AI732473, AA525112, AI732151, AA182569, BE158554, AW662635, AA720732, AI040051, H60398, AA831714, AI473851, AA100540, AA570632, AI354243, T16427, AA664604, AI302994, AC011484, AC005913, AC007225, AC083870, AL034405, AC010205, AL137067, AL138958, AP001716, AL008712, AL031729, AL121928, U82828, AL136171, AC007240, AL353804, AC069539, AC004876, AL353599, Z97184, AL122020, AC022816, AD000090, AC005519, AL096791, AC004884, AL023883, AP001052, AP001752, AL034379, AL138832, AL117338, AC005048, AC005412, AC005000, AL139349, AP001207, AC005157, AL022163, Z75744, AC009314, AC007365, AC006241, AL157702, AL096814, AC005828, AL157713, AC004835, AC002395, AC005089, AC004794, AC004079, AC004539,

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HTGAD74	2320	834464	1 - 876	15 - 890	<p>AA557924, AL038842, AW292981, AA501906, AV764259, AL135062, AV764334, AW901945, N30291, AA828046, AL041375, AW902110, AA601230, AI306232, AI885572, AI123488, AW274191, AA765925, AI251576, AI745457, AV762982, AI583466, AI040051, AI499954, AV685057, AV758903, AA491864, AW271904, AL037632, AL035072, D86995, AC008474,</p>

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HTGAP05	2321	637715	1 - 1060	15 - 1074	BG033930, AW152112, AW192063, C15343, AI383250, AA833875, AA833896, AI380617, BE169870, AV682003, AW984309, AI085242, AV760019, AI612142, AA704393, AV760453, AA640430, AW969831, AW021083, AW962444, AW270258, AA054176, AI753849, AA640410, AW020150, AI583252, AW069357, AW872676, BE138484, AI275989, AA303007, AV738383, BF346919, AA516164, AW575012, AL042667, AL042670, AW872575, AA828834, AI582666, BE252421, AW410784, AA715173, N77109, AA715075, AI675615, AV647070, AW196288, AA507822, AI590906, AA829056, AA483256, AL390039, AF184110, AC006059, AC006487, AP000962, AL079303, AC004821, AC010000, AP001667, AC011475, Z93015, AL121658, AC009475, AF196779, AP001717, AC010271, AC008521, AC011489, AC005153, AL163204, AC005412, AL138725, AL024507, Z86090, AC008896, Z98950, AL354720, AC008784, AL121949, AC006077, AL080243, AC005255, AC005048, AC004966, AC005317, AP000065, Z84484, AL121952, AC011442, AC006345, AC007383, AC000159, AL391595, AP001714, AL121583, AC026424, AC009501, AC016903, AL136300, AL137141, AP001692, AC004383, AL353701, AC004491, AL132777, AL021391, AC004656, AC007387, AC005057, AC011484, AC005940, AC006468, AL135901, AC004518, AL034417, AP000500, AC007540, AL137881, AC010605, AF061032, AC020750, AL121886, AC011510, AL135749, AJ246003, AL354696, AL137230, AL392173, AC002404, AC007199, AC007899, AC002429, AL096840, AL034372, Z83844, AL137073, AP001727, AC021068, AP000555, AP000045, AC006960, AL122023, AL024498, AC005103, AC005225, AC009155, AF047825, AC008392, U78027, AL138741, AC007051, AC011479, AL022336, AC007687, AC005484, AC068799, AP001746, AC005261, AF011889, AC005899, AP001760, AL031848, AL031005, AC007919, AC002316, AC005375, AC011473, Z84487, AL162615, AL121601, AC005632, Z85986, AC005520, AC008278, AC005696, AC018633, AC004832, AC005324, AC002416, Z99716, AC011811, AL133353, AC016995, AC002565, AL391122, AC005088, AL356800, AC011470, AF243527, AC004388, AC005747, AC004980, AL022240, AC020913, AC008569,

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HTGAQ29	2322	637693	1 - 617	15 - 631	AL031774, AP000704, AP001727, AC009086, and AL049758.
HTGAR21	2323	838159	1 - 1090	15 - 1104	AI733856, AI732671, AW023111, BE676900, AA598998, AA557945, AA525998, BF805088, AW865946, AW970571, BE139267, BE139358, AA502175, BG223280, AW962942, AI246080, AW502949, AA847499, AV762633, AL037683, AA169245, BF854308, AI251034, AV728856, BF740874, AW265688, AI821420, AA501614, AW069227, AI284640, AI254770, BE139139, AI250552, AI284543, AV764383, AW327624, AI370475, BF724699, AV763418, AV759935, BF884857, AA584148, AA610381, AI251284, AI251203, AI223626, AI885572, AI634187, AA657835, AA631507, AA602438, BF804385, BE042511, BF917346, BF832074, AI368862, AA654778, BE138387, BF870792, AW303098, AW817525, AA714288, AA809125, AV763026, AV763058, AI963720, AI358229, AW105255, AF177861, AL042667, AL042670, BG222875, AI821271, AI174230, AW780202, AW410354, AA507692, AI247101, AV761383, AL042735, AW082651, AW004884, AW960468, AC011811, AL031432, AL121825, AL135978, AC005089, AC005041, AL118520, AC002456, AC004020, AL133288,

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HTGAS70	2324	827320	1 - 1789	15 - 1803	AL527313, BE250704, AW024903, BF971907, BE794305, BE299497, BE297489, BF972631, BE299747, AA837509, BE315367, BF032984, BF976368, BG024778, AU121791, BF795694, BE250723, BE383228, BF182924, AU118843, BE540526, BE299794, AU121243, BE300366, BE019456, AI718349, BF128650, BE382653, AI668918, AU117274, AW513499, BF305677, BE542896, BF309422, BE251272, AI337389, BE311892, BF663119, BE273001, AV710647, BE252047, BE514633, BF304704, BF306989, BE019047, AW173575, AI949707, BE899412, AU151171, AI620663, BG031984, BF307361, BE302337, AU145314, BE311859, AI657022, BG031298, AA487662, AU128960, AI801052, AI819677, BF688299, BF308270, BG107353, BF203854, BF029004, AA599847, AI049623, AA582227, BE394427, AI620675, W56054, AA830891, AL527272, AA487452, BF941691, AV701431, AV701043, BE294665, AV701017, AV701332, BE780334, AV701248, AI910487, BE707331, BF204783, T89792, AV699866, AV719822, AW513505, AV720211, BE696388, AV701335, BF571553, BF212577, AI284640, AV701357, BF512492, AI963720, AV720464, AV718844, AA310605, BF668217, AL046409, AV699480, AI890348, AI334443, AV743601, BF677892, AW580625, T89426, AA610491, AU147800, AV762395, AV740801, AF330238, AV760777, AV710066, AI696252, BF241967, AW193265, AW965008, BF311000, AI431303, AV761362, AI270117, AL037683, BF827410, AW419262, AL119691, BE049095, AW973541, AV762064, AV729809, AV735495, AV763540, AV762397, AV761489, AV761745, AV728425, AI613280, AL041690, AL138455, AL138265, BF724372, AW833862, BF671746, AI064864, AI457397, C14014, BF337291, AW500125, AU147104, BG249643, AW303196, AV739901, AV725423, AW274349, AI801482, AW513362, AA680243, AW028429, AV701166, AV742057, AA490183, AV763971, AA587604, AI345654, AV763449, AI281881, BF680074, AW301350, AV759204, AV735370, AW973397, AA720702, AV760466, AL045053, AI076616, AV760937, AW023672, AV763354, AL042853, AW268300, AA665330, AV763670,

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HTGAT65	2325	688864	1 - 1596	15 - 1610	BF369254, BE671459, AI369438, BF887963, H05929, AA371011, BE245107, AV754127, AA614340, BG008548, AI382205, BF854518, AW518364, AI168274, AB017567, AC010169, AP001630, L47234, AP001710, AP001748, AP000553, AL035685, AC004988, AP000246, AL137797, AL139100, AF148855, AC008372, AD000092, AC002369, AC008569, U91323, AC004491, AC005484, AL133551, AL031658, AL049830, AC018738, AC010519, AL160175, AL031230, AC008116, AC027319, AC016716, AL133238, AC004967, AL121655, AC005412, AC007240, AP000207, AP000129, AL139097, AC018682, AC021999, AC020754, AC013429, AL138717, AC007182, AL031286, AC011514, AC005000, AC007956, AC002565, AL139377, AC005102, AB020863, AF001550, AC010271, AC023965, AC023965, and AC023965.
HTGAU17	2326	605125	1 - 1214	15 - 1228	AA742254, AW971985, AA482693, AI890650, N72011, AV760800, AV695478, AV761190, AL121777, AC002288, U82828,

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HTGBF47	2327	511189	1 - 773	15 - 787	AI590038, AV738722, AV740060, AW815297, AW074398, AI792580, AI792510, BF541062, AW851028, AI670124, AI611990, AI721122, BF806164, AW575742, BF185300, AW419262, AW301538, AI254649, AI345241, AI254486, AI251212, AV700487, AV683151, AW064321, AV699480, BG249643, AA828569, AA947364, AA366035, AI581244, AI284640, AI783494, AI431303, N84156, AA308806, AW021917, AW999300, T58118, AA515435, BE049139, BF737342, BG010083, BF956102, AI637587, AA731636, AA805996, AV685981, BG028865, AV699370, AW793953, BF917533, BE063133, AV725423, AI064864, AV728425, BF962283, AW978219, AI345654, AW963497, F36273, AI053476, BF829536, AW023672, W60516, AI613280, AW969629, R66997, AW875036, AI633390, AL044940, AI205126, AU121503, BG014866, AA077817, BF887156, AV700163, AW341903, AI016000, AW500125, AW972769, BF243118, BE151726, AW193265, BF724531, AW673241, AL038785, BF886884, AI344844, BF808370, AA809029, AI355238, AW836456, AV704740, AV735370, AW151016, AV701613, AV702857, AA626678, AV701844, AU147488, AW769399, BE064683, AI305766, AW082108, AW972628, AF074677, BF131467, AI053672,

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HTGBK95	2328	834490	1 - 1117	15 - 1131	AL522125, AL522126, AL519350, AL529333, BF978108, BE217821, AW299468, BG106602, BE326803, AU149173, BE646271, AU153293, AU154281, AI432448, AI039818, BE467032, BE042910, AU152129, AU160794, AU153911, AI571337, AA237091, AI963695, AI635374, AA932292, AW043706, AI302679, AA236679, AA767544, AI735388, N42646, AI590210, AI224546, AI632813, AA234900, BF338277, AI085872, AW002721, AI049665, AU149933, AI142800, AI269171, AW242940, AI741857, BF034584, AI653576, R94321, N68116, AA513076, R43971, R94225, H05324, H24266, BG111524, R97540, Z41226, AA235171, N67392, AA991730, BF925392, AI521589, BF966823, BG110768, AW410784, BE205895, AI914747, AV699173, AV752994, BF037819, AL046227, AP001728, AP000010, AP001432, AP000151, D87343, AC007383, AP000344, AC007172, AL021155, AC006994, AC011491, AC002565, AC002073, AP000030, AC018639, AC010092, AC004638, AL136168, AP001746, AL035458, AP001711, AK025798, AL031726, AL049539, AC004797, AP000208, AP000130, AL031733, AP000247, AC083871, AF042090, AC018719, AC006334, AC011811, AC007563, AC004878, AC004227, AC020552, AP000045, AP000113, AL118520, AC008551, AC018758, AL163282, AL157372, AP001710, Z82214, AC023880, AL356747, AL031727, AC005562, AC002425, AL079342, AC004883, AL034374, AC009501, AC002558, AC004383, AL031985, AC073316, AF307337, AC011484, AP000313, AC007551, AC011450, AC006023, AL121897, AC006006, AL050307, AC009484, AL391122, AC007597, AC005086, AC006039, AP001695,

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HTGCC01	2329	598903	1 - 1119	15 - 1133	AI733856, AW075979, AV763418, AV759935, AW962006, AI753904, AW976024, AA555232, AW474152, AV757289, AV764259, BE062478, AI871966, AI609972, AI521525, BF958502, AW237905, AA557945, BE062476, BF991881, AA515728, AA669238, AW500029, AA526339, BF991882, AV759632, AI623899, BG180976, AW086291, AA584484, AI252506, AV762245, H28709, AW833901, AW805539, AI926102, AV701462, BG110480, AW023111, AV695478, BE062545, AI251576, AA410788, BF854170, AV758976, AV733328, AI284583, AI310670, AV763401, AI865213, AV764383, BE396138, AA502991, T74524, AA493808, AW130350, BE138594, AW582137, AI431513, AA657752, AW963463, BE140949, AA584765, AI810236, AU147162, AI343143, AA578621, AW340905, AV762047, AI049630, AV756491, AA846923, AA535216, AW069227, AV763026, AV763058, BF681619, AW177869, AI612142, AW265688, AV701116, AL079734, AA715814, AU147414, BE063437, AL041375, AW020150, AA828637, AV703063, AW341978, AW975164, BF997771, AU152561, F25761, AA577706, AL037910, AA503298, AW835445, AV758989, AV759345, BE154832, AW514006, AW270652, AV718585, AA225406, AI357823, AA864603, AV719392, BE143025, T49633, AI357807, BF681363, AA064961, AI290405, AA829036, AI769271, AW873417, AI610941, AI310787, BF701278, AW327624, AV761157, AI635028, AW272294, AV760508, AI634187, AL041924, AL120976, AW969743, AA573067, AA773463, AA602557, AW500071, AI114557, AA747757, N23504, AI583252, AA904211, AI791156, AA297666, AA610433, AA579130, AA635433, AW265614, AV738383, AV758870, BF589824, H77492, AI961983, AC004933, AC004847, AC006028, AC012351, AL050328, AC016395, AC007263, AL096870, AL356801, AC024075, AC011479, AP001725, AL117330, Z95703,

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HTGCK43	2330	828867	1 - 948	15 - 962	BE792230, AV707602, BE378712, BF666333, BG035119, BF116020, BG116981, AV707960, BG256134, BF341602, AV751438, BF310592, BE407535, BF666644, BE390292, BE392600, BE542860, BF679049, BG149656, AI830218, AI692622, BF732233, AI186453, BG031712, AI279507, BF057368, AI189604, BE220391, AA609958, BE266129, N32817, AW516888, AI804219, BE277044, AI188204, AI373500, AI858044, AI139576, AA504330, AI344463, AI147647, AA576035, BF035496, AA521209, AA910358, AA526293, AI304803, AA745478, AI344465, AW206542, AA488220, AI922977, AI348254, BF446053, AA488167, AI086462, AI810755, AI081276, N42261, AA740463, AI200596, AW592483, BF590871, AI735032, AI358863, AI341936, AI219376, AI147651, AA512922, W74161, AA226209, AI348479, AI127019, AA078878, AI352374, AI074905, AA722666, AI080056, W31772, AI684218, AA488197, AW406347, AA618058, AI265847, AU144868, AA488254, N90921, AI140320, AA226545, BE645301, AA831686, AA303191, H46968, H40724, H46969, BE270754, AI918044, C18565, H59214, H41002, AA609344, W16486, BF908639, AA455452, F18818, AW139530, AA908395, AA936118, AA911834, BF909518, BE646187, AI754433, AW796612, AI581489, BE295161, BF155936, W31201, AI000842, AA857299, AW796421, AA335720, AW072105, AI143196, AA078877, AA715375, AI801923, AI243928, AI523658, N92459, W04671, AA155778, AA147783, AW407819, BF770025, AA455451, AW291842, AA483925, Z20855, BF768943, F25511, AW302426, AI251169, AI309388, AI254685, AI611893, AI345689, BE122653, Z21081, AW274188, AW274326, AW302312, AI252593, AA143742, Z20733, AW793343, AI610059, BE138468, BE675821, BF761202, AA922390, AI337080, AW002979, AW385945, AW977158, AU118265, AK021626, A75065, A74315, and A74959.
HTGDS43	2331	605094	1 - 936	15 - 950	AI656993, BG028551, AW270395, BF056974, AI675254, BE891273, AI968159, AI149713, AI968626, AW518029, BE241975, AI538328, AA693873, AI654498, BF222727, AA773515, AA897773, AJ227901, Y16893, AF110393,

HTGDS92	2332	839478	1 - 1311	15 - 1325	AF076844, AC069282, and AC069282. AA531210, AA313824, AI053827, AA528523, BE069140, AW819125, AV761107, AI272052, BG180976, AW970571, AI754653, AW970940, AA515048, T74524, AV758355, AI635819, AV758870, AW958962, AW504485, BF725688, AW969743, AI792575, BF725884, AV760391, AW469214, AV762633, AV760389, AI306028, AW410354, AA013168, BG029528, AA833875, AA833896, AA019973, AW973992, AW969941, AI612142, H07953, BF681619, BF804385, W96522, AW084445, AV757425, AI085242, AI890324, AI253987, AL042756, BE063437, AV757642, AI380617, AW500684, AW328202, AW270258, AV740801, AI358384, AA916430, AW970896, AV741663, AI583252, AI610941, AI755214, AI287766, AA483606, AA225406, AV756848, AU118374, BE062159, AL118991, BE138594, AA570740, AW272294, AA829036, BF725844, AW068596, AV735495, BE439854, AI754105, BF725318, AI754567, AW103406, AV761989, AW575000, AW303142, AA054085, AW474168, AI733856, AI635028, AA640430, AI889440, BE968744, AI753488, AW265385, AI802804, AV760014, AI251576, AW816516, AI523316, AV738383, AV742057, AV764259, AA568204, AA640410, BF857849, AW327868, H29511, BE968477, AW960468, AW166808, AV762154, AA714110, AW976008, BF925233, BE019467, AW576251, AA483256, AC008039, AC009333, AF042484, AC020917, AC011491, AC006967, AC008753, AP000511, AC005619, AL137159, AC025430, U78027, U02532, AC009000, AL031659, AL133246, AL008715, AL031685, AL035462, AL033529, AC009004, AL034405, AC004824, AC005261, AF222854, AC005519, AC010358, AC005694, AL137073, AL035422, AC009516, AC005102, AL109936, AC011450, Z98941, AL021918, AC002477, AC006441, AL158040, AL049757, AF196779, AL117381, Z93241, AC008372, AC005082, AC008403, AC011442, AC004491, AC005399, AL121586, AL049844, AK024201, AL035684, AC009087, Z95331, AL096774, AC007686, AC008044, AC005512, AL139396, AC004222, AC004466, AC008569, AC008551, AL031730, AL121655, AF126531, AC004971, AL133263, AC005488, AC011489, AP001610, AL121891, AC005324, AC003689, AC007907, AL390298, AC007792, AC006014, AL139188, AL158830, AF222856, AC005527, AC007536, AL109965, AL157838, Z98742,
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HTGEX34	2333	877490	1 - 2287	15 - 2301	AW265468, AV763460, AW839858, AW575808, BF725436, AV759517, BF812696, AI318548, AW502688, AW504667, AI732720, AA425283, AW084152, AV755245, BF880881, AI523205, AI444575, BE049409, AW023390, BE967607, AA601376, AW975247, AW409621, AI826857, AI744890, AI344906, AV760048, BE875478, AA604601, BE392753, BG059924, BE747923, AL039436, AW514844, AW162762, AA631915, BG259634, AA493546, AI572680, BG034698, BF681222, AI890283, AA593168, AA525818, AL042667, AL042670, BF790866, AA557945, AW962971, AL036896, AV706458, AI860423, AI819419, AW880986, AI889177,

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HTGFM31	2334	862070	1 - 2043	15 - 2057	BE154889, AU122426, R94800, AI248758, N63092, AI241207, AW135169, AA962815, BE182901, AA377710, AA863089, AI289851, AW148668, BE222074, BF924993, AI084380, AI189108, AA443542, AV730946, T95339, BE154868, BE065596, H20016, AA358463, H59708, BF841564, AL391122, AC073607, AL161771, AL139429, AL161621, AC009784, AL353680, AL133467, AL139351, AC007677, AC006054, AL137063, AK022423, AC003968, AC004177, AL031053, AC024255, AL138478, AF235098, AC007620, AP001719, AP001694, AL031983, AC006137, AC005863, AC009365, AC004010, AF205588, AC005076, AC026239, AC010874, AL109953, AC008080, AC004941, AL109914, AL353734, AL109854, AL160033, AP001732, AL035073, AC003954, AL121871, AP001720, AP001674, AP001038, AC009242, AF165142, AC010170, AC007464, AC008774, AL121873, AL390738, AC007312, AC005899, AC005476, AF003529, AC004946, AL035457, AL163278, AC026884, AC002402, AC005062, AL132642, AC006339, AL117337, AL031056, AL445204, AL356750, AC020977, AL121577, AP000170, AL035698, AL365444, AP000140, AL390316, AL391122, and AL139084.
HTGGM37	2335	827310	1 - 1913	15 - 1927	BF963345, BE675136, AA639137, AW963594, BG013521, T52745, AL040816, AA847499, AA491767, AL037777, AI141964, AA524800, AI280574, BF725844, AW019964, AL048060, AI821382, AA456149, AI820534, BE155270, AA484428, AA664126, BE155243, F33494, BE155269, BF820915, AA533054, BE185771, AI990666, BE881741,

					AW833579, AV735872, AU158322, BF928946, AW502185, AA380781, BE152120, BF920953, BF806425, BF970228, AV709629, BF769185, BE185653, T94072, AA078384, AI215784, BF821897, AV762354, AV714057, AI187148, T51556, AI686470, AW575790, BE152026, AU138726, H54511, BG002926, AL041240, AA669320, AA214042, BF059772, AW519180, AW813668, AL047645, AI866580, AU146063, AW150387, AW897697, BE011868, BF736226, AW833471, AA230155, AI962030, T74524, BG113821, BF034909, BF925644, AW571410, BE439681, AL040374, BG251778, AW023111, AW937376, H38769, BE396138, BF771414, BE838712, BF766147, N35492, AI223591, BF921948, BE838709, BG056362, AW937465, BF769926, AA171892, AI554725, BG109444, BF896567, AI436330, AA721581, AI720403, AU153717, BF844774, AA910941, AW837273, C06210, BF998043, AA378489, AI096738, W63553, AC007786, AC004049, AL121653, AL109924, AC004867, AC004806, AC007637, AC004166, AC005389, AC024153, AL137918, AC005098, AL034405, AL031431, AL033525, AC005820, AL161892, AC006251, AC004960, AC000082, AC007617, AC024157, AL031733, AC026122, AP001329, Z98200, AL121578, AC018769, AC004701, AL354811, AC024084, AC005827, Z99128, AC020633, AC002302, AC005768, AC004863, AC000070, AC004414, AP000962, AL035604, U96409, AC004025, AF196779, AL356022, AC006231, AC010168, AL354720, AC007425, AP001727, AC015541, AC026162, AC018816, AC004089, AL162831, AJ271735, AF242865, AP001667, AL022238, AC011327, AC008567, AL136170, AC018493, Z96074, AK025371, AC006458, AL355871, AL357992, AC008641, AL049870, AL158828, AC016751, AL138919, AL109952, AL035457, AC005035, AC009600, AL109935, AC069248, AL158836, Z98051, AC005015, AC016554, AC008279, AC007205, AL109921, AL136979, AP000067, AF196970, AC004999, AC005192, AC005355, AC002553, AC004656, AL158832, AC007021, AL355532, AC002400, AF238380, AC004552, AL360078, AX033932, AC004638, AC009505, AC007450, AC004531, AC000353, AC007611, AF200465, AC003665, AP000035, AL049743, AC010877, AC002422, AC003969, AL078591, AC011455, AL008708, U95743, AC026881, AL117356, AC005535, AL031584, AC007993, AC005840, AL117332, AL135904, AC012153, AL078590,
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HTGGN22	2336	782853	1 - 779	15 - 793	AA586915, AW962388, AV707067, AL135357, AV709273, AV702857, AV653153, AW958225, AW963489, AV703063, AV726754, AW962649, AV708388, AW019945, H65400, BF870094, AW955724, AC006064, AL031770, AC008805, AC011895, AD000092, AL022313, AC005015, AC005088, AC007786, AF030453, AC004000, AC004834, AC006241, AF002223, AL096791, AP001711, AL390209, AC011465, AC004966, AL022330, AC020908, AP000211, AP000133, AC004032, AC006120, AC011479, AL049636, AC008745, Z83838, AC002091, AL049839, AC006211, AC011811, AL121891, Z93016, AL031311, AL023096, AC018751, AJ246003, AF053356, AL139188, AC020913, AL121658, AL133211, AL158040, AL109952, AC009516, AC010422, AC005988, AC004099, AC005522, AC012442, AL031587, AC011491, AP001748, AL031670, AC009086, AL033526, AC009087, AL158196, AC009600, U82670, AC005527, AF196779, AC003010, AC005324, AL031584, AC004655, and AL121928.
HTHAA41	2337	809107	1 - 1929	15 - 1943	AW249975, BG034315, AI022083, AA883479, AA280829, BF109933, AW954044, AI131464, AI767285, AI028209, AI683470, AI122832, AI082866, AA478302, AI128465, AA807325, AW189100, W87682, AL526284, AA827898, AI218567, N22400, AA443098, AA383870, R62948, AI758998, BE142294, AA906396, Z40072, BF752749, R76465, AA361094, AA731868, AA620328,

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HTHBC58	2338	839916	1 - 1465	15 - 1479	<p>AV702503, AA383959, AA524604, AW021674, AV683406, AA180056, AW504667, AA179364, AA425283, AI318548, AW275432, AA601376, AA313025, AA493546, AW514844, AI090377, AI253347, AA595661, BE974200, AW963489, AA533660, AI076729, AI065031, AA199578, AI732690, AA533066, BF942991, AA831426, AI254463, AA669238, BF724416, AA493245, AI252005, AI433952, AI609992, BF944618, AW631267, AA573067, BF970107, AI570067, AV729908, AW501278, BE392753, BE247422, AW474825, BE328286, AA610644, BF084979, AI889345, BE048305, AA535558, AI754421, BF681222, W02419, AA676592, AW880986, BG034698, AI801563, AA525753, AI610814, AW517561, AW157128, AA367920, AI797998,</p>

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HTHBO72	2339	824078	1 - 524	15 - 538	R34433, AW582841, Z42412, BE298734, AC011597, AC011597, AC067726, AC067726, AC074266, and AC074266.
HTHBQ29	2340	561547	1 - 1076	15 - 1090	AI754955, AW301350, AW303196, AW274349, AV760777, BF677892, AI284640, AL046409, AF330238, AI334443, AA394271, BF668217, AI431303, BG249643, AW833862, BF965007, AW439558, AA587604, AA649642, BG236735, AA470969, AL138455, AA610491, BF816072, BG109996, AI754253, AI457397, AV740801, AV710066, BG222267, AV735495, AA531372, AI133164, AL045053, AI919265, AW021583, AV728425, AV756693, AI305766, AV759172, BE160727, AV760937, AW327868, AL120269, AW467362, AL119691, AW630298, BE872393, AV742057, AI270117, AI133102, BF475381, AW970848, AW500353, AW103758, AA581903, AI613280, AW502975, AV725423, AA551503, AL138265, AW872575, AI801482, AL041690, AL037683, BF130107, AA490183, AI963720, AA720702, BF919090, AV760466, AV734666, AV761745, AV763354, AW872676, AV764578, AW969629, AI866856, AW472872, AL042753, AW513362, AI249997, AI370074, AI350211, AV759204, AV762535, BF683672, AW419262, AW407578, AU147104, AW193265, AW265385, AA630362, AA862173, AV762098, AI708009, AI370094, AW028429, AV710774, AF074677, AU122470, BG179731, BE672637, AV681599, BF724767, AI754336, AL042853, AV713243, AA631507, AW995093, AI890348, AI254615, BE869857, AA665330,

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HTHBT76	2341	866198	1 - 2011	15 - 2025	BE613401, BG260822, AL042063, BG119608, BG110200, AA143042, BF382712, AI341545, BF983517, AA521290, BF697894, BG112651, BF218371, BE612842, AA291203, BF210428, AI908987, BF104750, BG111042, AW190815, BF939519, BF690861, AW771162, AI813684, BE874643, BF687707, BE220197, AA827052, AU158495, AI093109, AI139692, AW151687, N34993, AI908995, AI628829, AI355353, AI039690, BF724604, AI418606, BF698296, AW612859, BE075344, BE090585, AA291887, AA995554, AW073541, AI239471, AI138791, AI908986, AI952133, AI560865, AI148357, BF669055, AW468075, AA577275, AW130005, AA827551, AI784542, AW262638, AA927455, AW902084, BF697805, BE350334, N29459, BE350245, BE326788, AW302477, BF797482, R80698, AW074660, H69944, AW661928, N34111, AW000946, BE694486, N72974, AI630757, AI241429, BE046322, AW771066, AL039544, AW204810, N22546, W37554, BE465067, AA568431, Z43114, BE702084, R80593, BF194815, BF964698, T34882, BF338515, AW074542, BE702094, Z43310, N22407, AA365526, AA774028, F13063, N80127, H69945, AW105252, AI247958, AA649038, AA151122, BE702125, AI909072, N71652, AI909071, T75376, AW392914, AI909069, Z39386, AW105253, BE702148, BF031019, AI885419, AI909070, AI909068, F02591, AI202259, AA365524, D79093, AI909055, F10657, Z42377, R39199, AA630376, AA728814, F01888, AI909065, N43753, W02740, AW103443, H61225, AW075337, AI276327, W01679, AI909066, AA558069, H08610, H61226, AW079243, AA635381, AI651628, AW075292, AW085074, F05777, AV661614, BF700637, BF888052, AI908994, BG169550, BF855766, AW136870, BE765364, F03795, BG111855, AW074586, AI826198, AW150522,

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HTHBZ91	2342	637697	1 - 972	15 - 986	AL037632, AL044340, AV762220, AW962035, BE908602, AI054414, AI061646, AA524604, AV760760, AF074667, BG260565, AL048969, AI133516, AW963982, BE796439, BE393367, AW131249, AL048626, AV761207, AV734607, BF826830, AW965008, AW188427, AV760360, AU147226, BF828714, AW970987, AV733710, BF679169, AV696428, AV684596, AI076616, AV763135, AV691908, AU145155, AA640277, AV763683, AA584482, AV711842, AW102811, AW151713, AU145521, AW069670, AW419081, AA311156, BF892846, AI261913, AL038705, AV695357, AA572983, BG056362, AW372037, AW963117, AI820959, AV737621, BE395467, AW079809, AA224525, AA584862, AA017377, BF673911, AA493641, AA577824, AI633490, AI114494, AA572971, N70044, AC002119, AC005971, AF196779, AP001711, AL049840, AC010102, AC068799, AP001716, AP000688, AP001760, Z83840, AL121653, AP001712, AC006101, AC008569, AP001726, AC009365, AC005520, AL133153, AP001724, AC009600, AL133260, AC020629, AL021939, AC007199, AL050335, AL139095, AP001725, AP001696, AL133445, AC003070, AP000211, AP000133, AL035458, AC010223, Z77249, AC005921, AC005823, AL034405, AL109627, AC005071, AC002351, AC005874, AF134471, AL022398, AL035450, AL031230, AF131216, AC004890, AL139286, AP000030, AL049759, AL022721, AL031658, AC007912, AC012081, AC007308, AF243527, AC005914, AL117337, AC002470, AF196969, AC007263, AP000212, AC034242, AL157789, AL133545, AC020906, AL121949, AC005822, AC010582, AP000493, AC011290, AL009181, AL049795, AJ229043, AC006026, AL138690, AC008812, AF186190, AP002534, U91321, AC005233, AC021999, AC002544, AL049636, AL136300, AC020754, AL023575, AC018755, AC004895, AL445567, AP000032, AF001549, AC002542, AC006211, AL139327, AC008066, AC005081, AC005020,

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HTHCA30	2343	637124	1 - 613	15 - 627	AI880356, AI218619, AA398444, F26448, AI708365, AI028468, AI028470, AA564180, AA862369, AA861000, R54791, AI459494, AA679172, AI186891, AI911880, AA988211, AA583499, AA630799, AA132060, W81300, AA086180, AI699696, H93266, BE963550, AI857716, AI190561, R68468, H97182, AA581859, AA782061, AA206086, AA994618, AA135490, AA928308, AI283176, N36153, AA782997, AA953636, AA431982, W44587, AA643351, AA864693, AA664315, F21797, AW974818, AA813046, AI879938, BG180505, AA772110, AA740179, AA156013, AA843130, AI126037, AW250443, AI279338, W38162, AI028436, AI830863, AA669233, N26611, W33169, AA826975, AI761136, W15315, AI144226, AA719469, H97007, AA857918, AI201275,

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HTHCM60	2344	600374	1 - 1206	15 - 1220	AC044917, AC044917, AC023090, and AC023090.
HTHDB20	2345	669032	1 - 643	15 - 657	BF725504, AA904211, AA847499, AV764523, AI284640, AI570261, AW088616, AV682003, BF668217, AI357901, AL046409, AI610376, AW020992, AW673241, AI963720, F36273, AI061313, AA482711, T74524, AW029038, AW274078, AI368745, AL044940, BG169853, AW505253, AW593631, AA780515, AU157209, BF841869, AW270258, AI625244, AI431303, AW873417, BF724372, AA826303, AI962030, AW419262, AV710066, AI270117, AV735370, AW237905, AI572924, BG059450, AA661948, AW402784, AW662543, AW472872, AV758870, BF827410, AW502975, AW088202, AV762111, H07953, AI125167, BG258655, AI141202, AV762430, AI370475, AV763971, AA533660, AW193265, AI918421, AI812112, AI654247, AV703682, AW513362, AW572721, AL045077, AI281881, AL037910, AI345681, AI345675, AI653999, AW338086, AA019872, AW020198, AV760014, AL119691, BF725844, AI732671, BE273825, BG177307, BF958161, AI742168, AA857486, AW962942, AW304805, AI687343, AW021116, AI613389, AV740801, AI066646,

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HTHDF45	2346	621313	1 - 1012	15 - 1026	AI554554, D31105, AA766369, AW197624, AW576437, AC008536, AL157818, AL031658, AC068799, AP001717, AC024578, AF265340, AL121601, AC004840, AC002288, AC005088, AC008736, AP001719, AL121658, AL136223, Y10196, AL132855, AF030453, AJ246003, AC007225, AC007052, AL109984, Z95115, AC005952, AP000347, AC004104, AC020916, AC058791, AC005738, AL109743, AC006534, AC006534, AC006534, AC023123, AC023123, and AC023123.
HTHDF86	2347	815686	1 - 1521	15 - 1535	AL040921, AW002585, AV733710, BG032943, AA708108, AW102811, AA486896, BE613732, AU120416, AI457389, AL121235, AA938105, AW406447, AW328050, AA749158, AV763892, AI141202, BG034591, AA722372, AI038990, AI499938, BF838591, BF852604, AL041013, AA347241, BF690726, AA017377, BE152248, BE071877, AW248523, AV709806, AV700498, AW820787, AC006451, AC005899, AC004166, AC004263, AC005057, AC005914, AF139813, AC008569, AP000692, AC005098, AC020904, AC005231, AC027319, Z93015, AP001725, AC007546, AC011811, AC010458, AC010422, AC008812, AC005522, AC005000, AC005480, AC083863, Z83844, AL157938, AJ400877, AC010463, Z95115, AC000353, U95742, AC008567, AL109743, AC007216, AC005037, AC004955, AL139343, AC005031, AL022316, AC004019, AC007686, AC006329, AC011489, AC009314, AC008403, AC011895, AC006449, AL034429, AC005519, AC005103, U62293, AF047825, AL034420, U80017, AC005736, AC008551, AP000501, AL049569, AC002350, AC005620, AL050321, AC004638, AL138976, AL132987, AC006064, AC005694, AC004856, AC004890, AL035458, AL158198, AF001550, AP001630, AC020917, AL118506, AC011479, AC020916, AL121751, AP001748, AL109825, AC007308, AL080242, U95740, AL024498, AC002476, AC008753, AC007637,

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HTHDP65	2349	637699	1 - 619	15 - 633	BE719610, and AC011849.
HTHDP65	2349	637699	1 - 619	15 - 633	AW236370, T47831, AI590404, AA174108, BG006133, AA303007, AA747748, AW504011, AA745117, AI886338, AV702736, AV739661, AL050348, AC004531, AC005358, AL139318, AC009470, AC018755, AP000099, AC007298, AC009032, AP000036, AC010267, AP000260, AC004878, AC007193, AC009086, AP001753, AC005944, AC005914, U47924, AC005488, AC002476, AC005332, AL020997, AF172277,

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HTHDT25	2350	655370	1 - 408	15 - 422	AC016969, AF020503, AC016969, AC016969, AC021406, and AC021406.
HTHDV50	2351	789402	1 - 521	15 - 535	AA342698, R84390, AI619681, BF998133, AW242032, AA807745, AW794915, AA018351, W28805, H59841, W27025, W26962, BF846522, AU119384, AW964016, AA293082, AA015940, AA709455, W27847, AL121776, AC008551, AL360227, AC005738, AC007461, AC004499, AL391097, AC005157, AL109799, AL031733, AP001732, AC004905, AC002539, AC006948, AL031683, AP001698, AC073130,

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HTJMA64	2352	775181	1 - 2245	15 - 2259	BF981513, AW970793, AA563623, AA076051, AA877162, AI358038, AA426339, BF924011, AI866837, AU119532, BG028665, H77505, BF346320, AW190628, H77506, N95458, AA076146, AV760723, BE908602, BG260565, AV700498, AV762783, BF792326, AU117926, BE796439, AL048969, AI272998, AI695841, AV760760, AL527073, AV734401, AU130725, BF974962, AV750976, AV764490, AV763305, AF074667, AU147226, AL037632, AV700988, AV722030, AV720570, AV718718, BF821511, AV700545, AV719402, AV763603, AL515875, AL138254, C04651, AA708751, AV761562, BG032943, BF917486, AV762220, AW157180, BF968610, BE393367, AI038990, AV762975, BF901147, AL135377, AV722075, AW188427, AL042905, AU119400, AW962035, AA249078, AA782322, AU147301, AL040921, AL048626, BE075868, AW600804, AL042906, AI679294, BE155132, BG034591, AV760360, BF805173, AU155048, BE909125, AU119141, BF678427, AI679871, AV700113, AU119118, AU145155, AV761286, AW965008, AU158859, BF826830, BF828714, BF679792, BF872337, BF673854,

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HTJMJ72	2353	840032	1 - 840	15 - 854	AI631894, AI307226, AW277252, AI950548, AW438607, AI566922, AW080266, AW779286, T25834, AV698087, AL042377, AV760391, AV760389, BE047915, AL138431, AV759518, AV760560, AV757096, BF969740, AV729953, AV733824, BG164617, AL042753, AV762619, BE882869, AV687035, AV756074, AL138455, AV711242, AL079447, AL110373, AI111171, AV757849, AL043052, AV763915, AL041924, AV762645, AV662292, BE061322, BF337291, BE252421, AA808153, BE378571, AL046463, AL040038, BF751331, AV763460, AW969541, BG115678, BE969581, AL042694, AA748682, AI912496, AA828373, AA687471, AV733431, AI250821, AA594157, AV762395, BF725761, AI089811, AV760466, AL048482, AL515185, AA470486, AV756220, AL041154, AW827115, AI921406, BF773282, BF342223, AL045943, AW994402, BF339483, AV727614, AL041208, AF217796, AL353715, AL353625, AL121656, AL035407, AF113676, AL035458, AB049758, AF116691, AC006994, AL354776, AK026551, AC024247, AC004883, AC004987, AC016652, AL035587, AF090886, AL034417, AB050534, AC004878, AL162742, AL034374, AC007298, Z82206, AL049430, AP001343, AC004686, AC004971, AC020956, AC009501, AC012312, L30117, AC023880, AC025765, U62317, AC007907,

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HTLAD74	2354	638978	1 - 957	15 - 971	AI570261, AA297776, AW502688, AA557945, AA525753, AW088616, AI801479, AI702049, AV761989, AI444575, AW020612, AA935827, AW021917, AW192518, BF916933, BG059139, AV760391, AI572680, AA904211, AA482711, AA491831, F29968, BG000680, AA483256, AI335963, AW104748, AV764535, AL042667, AL042670, AW148821, AV732057, BG180320, AW080134, AA847499, AV760389, AL121039, AW265468, AI679782, AW979200, AA613624, BE155099, AW407007, AI610468, AA937766, BG236735, AW162314, AV730440, AW501278, AI251436, AA837084, AA714110, AI923052, AW088202, AI084223, AI733856, AI064864, AW105463, AV764307, T05834, AW162332, AI583252, AV764334, AI521525, BF751949, AI499954, AV731938, AI344906, AI144081, AW969831, AA644090, AW302753, AW410844, AI040051, AA728954, AA605056, AI445883, AI054244, BG057207, AL038785, AV759274, AA491594, AA708883, AI307201, N49298, AA015948, BE139230, AA501461, BG059314, AI962030, AA652057, AI064968, AI821987, AI732869, BE245576, AA348929, AW020150, BF811714, AW513852, AI612142, AA507623, AV735370, AV710306, AW276435, AV762354, AA708760, AA132929, AV759517, BG250794, AI866580, BG029528, AV763255, BE044000, AW962971, AV734666, AW977134, AA614304, AV758849, BG111363, AW410784, AA513181, BF974756, AI801482, AA601290, AI687343, AV762826, U66061, AC004458, AL138756, AC005510, AC002524, AL079341, AC005926, AL163210, AP001691, AL360078, AL034449, AL096861, AL049767, AL136146, AL356108, AL158141, AL160007, Z82206, U95743, AL109854, AC010206, AL133329, AP000402, AL355305, AL078477, AC002429, AC008055, AC025030, AC004605, AF053356, AP000066, AJ271735, AC004087, AC006210, AC005015,

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HTLAF81	2355	855970	1 - 1215	15 - 1229	BE620793, BE886569, BF035435, BE938654, AI688484, BE205790, BE672459, AI809650, AW401575, AI651525, AW206858, AI970319, AI637695, AI339134, AI018679, BE964631, BG256448, R58134, BG032779, AW384517, AW384519, AW384562, BE544778, AI917659, AA994773, BF994172, AW384548, and AB032966.
HTLBF46	2356	839774	1 - 1246	15 - 1260	BF792355, BF347798, AI565755, AA780301, AI342368, BG029467, AV711439, AI200880, AW195697, AW592411, AW293972, AI028147, AI050849, AW956599, W76561, W72567, AI628717, AW956600, AI474504, AA961641, AI690047, AA351201, AI188239, AA421327, AA451937, BF851410, H28161, BF475451, AI970927, AI028709, AA564691, H39591, BF943535, AI421663, AW469519, BE502253, AW304417, AA937142, AA887297, AW090646, AW162356, AA338898, AW955703, AI682426, AI431720, AA770094, BF527401, AA336059, AA478441, BF924677, AI805074, BF924528, AI684955, AW956658, AW954991, BF445483, AI699559, BF002887, BF994045, AI568803, AW148334, W23209, H15748, BF968358, AW292661, N24530, AA421432, D45644, AA364898, AI758364, AA378321, BF925999, BF995849, N33969, T08879, AA324713, C20566, R53414, AW803703, AF088886, AF071748, AF071749, AF136279, AR016587, AL137742, AF132894, AJ007331, E15813, AF197480, AF136280, AJ131851, AC019220, AC019220, AP000481, AP000481, AP001100, and AP001100.
HTLBF63	2357	762847	1 - 1110	15 - 1124	AA868819, AI825670, AI637802, AI683677, AA399396, AI862030, BE889583, AI921941, AL048847, AI190537, AW452864, AL535421, AA993449, AI804588, BF870867, AW958783, BF870862, AW958785, AW340806, AA383562, AI824983, AA853920, AA861369, AI825688, N80709, AA383668, AA398249, AW104729, BG222909, BE500984, BF846867, U70824, U70880, AC002481, AF123386, AF242567, AC002481, AC002481, and AC002481.
HTLCX82	2358	847091	1 - 906	15 - 920	BE895266, AI692666, AW157552, AI015973, AI689900, AW963262, AW131853, BE218199, AA894904, AI758863, AA778702, BF437932, AA808247, AI990148, AI692715, AI472271, AW001076, AI369125, AI366347, AW172292, BE218953, AL042649, AW663918, AW592717, BF197398, AI671343, AI689434, BE327560, AA705479, AI890951, BG056326, AI986066, AA884562, AA443162, AI457884, AI824337, AW613722, AW249607, AW245434, AA635189, AW295998, AW016141, AW884250,

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HTLDD89	2359	688059	1 - 475	15 - 489	AI126433, AA758911, AI023219, AA846543, AA416777, AI208486, AI150105, AA629344, BF812960, AI823719, AL037582, AL037602, AI670009, BG001293, AW129264, AV746955, BF811802, AI500061, AI804505, AI345415, AI254814, BF828206, BF816042, AI638644, BF997967, AI270039, AI611743, AI538980, AL046466, AW198090, AI446511, AI582912, BF814449, BE621256, AI590043, AV682536, AI522052, AI633125, BG027280, AA974506, AI658566, AI636811, AI698391, AV750565, AI887772, AV734167, AF062711, AI554821, AI648408, AI261589, AW058304, AI499570, BF811804, AI345612, AA641818, AI281867, AV728592, AW151714, AW089844, BF876453, AI539800, AA916133, AI866469, AV758209, AI345416, AI927256, AW081383, AI884318, AI252582, AW080076, AI673363, AI288285, BF812961, AI620056, AI873638, BE243077, R78396, AI249877, AL134828, AW001850, AI624693, AI470293, AI538564, AW827289, AI934011, AI916419, AW152182, AL045986, AW082532, AL121286, AL120921, BE966287, BG111199, BF868489, AI635016, AI473536, AI446775, BG260052, AV746964, AL043293, AW081298, AI701097, BG249582, AI376425, BE886922, AI345688, AI571439, N81164, AW504318, AW118518, AL040528, AI925404, BF814412, AI586931, AL046595, AI648509, AI538850, AI610115, AI249962, AI802542, AW078606, AI095003, AI580436, AI539462, AI915291, AL039086, AW008226, AW023928, AI309306, T69241, AI859932, BF911517, AI275609, AI702073, BE965707, AI475806, AI819545, AL514809, AI224027, AI922996, AI445829, R20540, AI690813, AI583578, AI371243, AA640935, AW079572, AW161202, AI249946, BF669151, BG112239, AI252371, AI479292, AI801232, AI440239, W38553, AL036705, AI954475, BF752997, BE965129, BF814527, BF814357, AI932739, AW163554, AI568114, AI679771, AV729220, AI524179, AW083572, AI254859, AW150794, BE877065, BG171581, AI651840, AW089387, BG104819, AI799189, AW089350, AI627893, AW162194, AI571945, BE540209, AI591228, AI433157, AI554344, AL039276, AI628325, AL047187,

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HTLDN34	2360	866199	1 - 868	15 - 882	AI656893, AI953040, AW305250, AI654984, AI017953, AA774461, AI142278, AA961629, AW469733, AW592204, AA868593, AA969037, BF751997, F35867, AA766286, AA085220, AI630915, AI679960, AW150609, AB022441, AB022083, X57084, AC004455, AC002072, U76419, AK025524, X51671, AL080127, AL137659, AC010604, and AC010604.
HTLDP19	2361	885353	1 - 943	15 - 957	AL041454, BF829679, T49325, AW629475, AI125526, BF511668, T49324, AI393108, AI869166, AA609428, AC009123, and AC009123.
HTLDY30	2362	901885	1 - 1226	15 - 1240	BF690134, AI355435, BE707484, AI690747, BE552292, AI824952, F11557, AA350041, AI445100, AW874152, R20569, R60457, AW954555, BE906320, Z42653, AI378701, AI312329, AI311199, AI335080, AI344070, AI311279, AI310773, AI344249, AW075103, AI311900, AI377604, AI311506, AI377150, AI800367, AW615822, AI345933, AI345428, AI344242, AI371575, AI310842, AI246918, AI311518, AW271134, AI500077, BF946647, AW026610, AI445165, AI570009, AI281762, AL513837, AW085799, AI682841, AI758437, AW129202, AI273142, AI269696, AI538829, AI873731, AI498579, AI433976, AI784252, AI274541, AI678302, AW149287, AI282655, AI869367, AI811353, AI269205, AW183130, AI590128, AI279984, AW268253, AI538790, AW301409, AW132056, AI271786, AI568855, AW074993, AI349614, AI868831, AI480118, AI863014, AI312152, AI500553, AL044207, AI249323, AI349937, AI348897, AW080079, AI307708, AI889203, AI679764, AI281779, AI440426, AW129171, AI597750, AI290154, AI281837, AL036146, AI282281, AW075351, AI888953, AI653836, BE965159,

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HTLEJ24	2363	608317	1 - 914	15 - 928	<p>BE250966, BF526976, BG005830, U55991, BE387679, AI523831, AI220513, AI809311, W72743, BE395222, BF969738, AI080305, AI809303, AA058572, AW576097, BE908638, AI870771, AI219592, AW771597, AI914114, BG056680, AI356543, AA970516, N23943, W77922, AA470469, AW071229, AW028724, AW016176, AI572664, AI933312, AI032420, AA918880, AA211889, AW406751, AI073475, AW262487, W04578, AA863481, AI079603, AI763093, N80749, AA324169, AA454831, AA018438, AA349561, BG036741, BF967414, AI138838,</p>

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HTLEJ75	2364	815631	1 - 2555	15 - 2569	AL518739, BE512745, AL043060, BE737302, BE901669, BE898526, AW604477, AW604462, AW604459, AW854404, AW604469, AW604458, BF309533, AW578556, AW604476, BE263853, AW369672, AW604464, AW604475, AW854403, BF309187, BF315567, AW854395, BE297223, BF970231, BE302920, BE260224, BF307261, AW604479, BG115188, AW578563, BE277643, BG177775, BF948059, BE788212, AW854389, AW854400, BF182714, AW578567, AW578570, AW753397, AW578568, AL039250, BE297994, BG121567, AI626030, BE258725, AA781463, AW578562, AA779263, AI346924, AW578560, BG251575, BE785838, AA059310, BE963424, AW341565, BG166020, BE391966, BE206052, AW005681, BF154715, BE019468, BE797864, AW192772, AW270165, AA779174, AW513476, AW513626, AI498959, AW304067, AI346453, BE618405, BE887159, AI190906, AA316419, AW513464, AA913838, AA297143, AA431831, AA825650, AW300842, BE559591, BE409605, AI261504, AW628400, BE328722, AI689437, AI200337, AI686854, N93175, AW854393, AI934970, AI204927, AW965481, AW580603, T54101, BE270220, T78850, AI281034, AI088076, AA732994, BE267534, AW169476, AA969080, BE513771, W61063, AA592923, BE513567, H24815, AI380211, H14191, AI873086, BF813364, AI703222, R88949, BF839458, BE714874, W61237, Z39429, W38929, W02750, H14192, BF092987, AA922489, BF927336, BF082179, BE513353, R78494, BE267836, BE350854, BE267601, Z43357, AA339147, AW361470, AW604308, BE387628, AI092657, BE561122, AA514926, H30142, AA297157, H92445, AW850718, BF183809, AW850707, AW604266, R78545, AI915312, AI940004, AW380022, AW008756, BE397324, BE513620, AI392838, R89623, AI277091, AW380016, H24767, T78126, AA369407, R38013, BE673076, AI191073, BE268816, AI926368, AW997135, AW473489, R02641, BE269214, AA297049, BF844699, T35145, AI380393, AA297280, BE253615, AA368007, BE180677, AW136204, AW176441, BE548673, AI784284, AA085877, R01700, AW269991,

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HTLEJ75	2365	762849	1 - 1178	15 - 1192	AL518739, AL043060, BE898526, BF309187, BG177775, BE260224, BE258725, AI626030, BE297994, AA781463, AI346924, AA779263, BE963424, BE785838, AA059310, BG166020, AW341565, BG115188, BE206052, AW005681, AW192772, AW270165, AA779174, AW513476, AW513626, AI498959, AW304067, AI346453, BE887159, AI190906, AA913838, AW513464, AA431831, AA825650, AW300842, AI261504, AW628400, BF970231, BE328722, AI689437, AI200337, AI686854, N93175, T54101, AW580603, AI934970, AI281034, AA732994, AI088076, AW169476, AA969080, W61063, AA592923, AI380211, BF813364, AI873086, AI703222, W61237, W38929, Z39429, H14192, W02750, AA922489, BF092987, BF082179, R78494, BE350854, AI092657, BF154715, BF183809, AA514926, H92445, R78545, AI915312, AI204927, AI940004, AW380022, AW008756, R89623, AI392838, AI277091, AW380016, H24767, R38013, AA369407, AI191073, AI926368, R02641, AW473489, T35145, BE737302, BE512745, AI380393, AA368007, AW176441, R01700, AI784284, BG251575, BE253615, W24760, D25648, C20588, AI801471, BE513018, BF839459, AA085877, BE019468, BE348745, BF946313, Z43357, AF007151, AK025496, AL359388, AL359388, AL355490, and AL355490.
HTLEP55	2366	637704	1 - 1493	15 - 1507	AW072465, AI191876, AW184014, AI188127, AW592084, AA913265, AI688734, AW583212, AA913762, AA628217, BE047066, BE045767, AA844767, AW583974, AI915414, AI873306, AW583682, C05775, C05980, BE969749, AA844866, AW874324, AW583435, C75601, C75319, BE047030, C75224, BE970067, C75123, T29243, C74988, AA835139,

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HTLEV80	2367	866200	1 - 1115	15 - 1129	BF034402, AV654723, AL042327, AW965806, AA608890, AI075802, AI275819, H28127, H51414, AA304872, AL043818, AA312451, AI028769, R61788, H51456, AA143720, H41849, R61787, AI863237, AW961037, AA338691, AI906712, AI906779, BF206255, AF026487, AB008567, AF026488, AB008551, AB001347, AF225960, and AF026489.
HTLEZ57	2368	634874	1 - 989	15 - 1003	BG109997, AI620676, AA578621, AL024498, AC004491, AC007679, AC002073, AL132639, AF111167, AF205588, AF196969, AC003982, AL117377, AC011445, AC018720, U95739, AC005088, AL133163, AL050335, AC011462, AC008745, AL354864, AC007688, AP001725, AC005736, AC005874, AF134471, AL109984, AF196972, AC004883, AC004166, AL137061, AL008582, AC011470, AC002352, AC027644, AF038458, AC027319, AC020904, AL035086, AL136979, AC007676, AC002477, AL109825, Z93023, AC006312, AC009600, AC002059, AC011473, AL136137, AC002549, AP000692, U91321, AC004382, AL022238, AL135978, AC007193, AC007051, AL050307, AC000026, AF129756, AP001715, AL049779, AC022621, and AC022621.
HTLFA90	2369	740770	1 - 1300	15 - 1314	AL528557, AL516369, AL520141, AL516368, BE561420, BE270836, BE792986, BF337721, BF345859, AL527726, BF308063, AI345973, BF308516, AI479662, BF002495, AW515776, BE514052, BF529040, BE279534, AI949416, BE513976, BE783041, AL527727, AI221493, BE279877, BF530762, BE279503, BF115078, AW138689, BF310836, BF591143, BE271021, BE620143, BF060728, BF529564, BE019433, BE410251, BF446375, AI394563, BE206032, AW874315, BE734610, AI826836, AI005328, AW073549, BE769967, AI924531, AA987860, AA781473, AW083797, AI076903, AA243831, W03418, BE091177, AW594586, AI689053, AW573181, AA243752, N59534, AI863641, BE297201, AI419801, AI798158, AA450159, BE465963, AW438707, BE620569, AA280713, AA432197, AI138819, BE513949, AU137908, BE273855, R35388, BE077117, AI089019, AA450097, T77180, AA960875, AW276013, BF983086, AA913733, AA847199, BF766582, W96294, N78275, AI042610, AA865728, AA962127, R60376, AL528556, BE671867,

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HTLGL33	2370	835020	1 - 1689	15 - 1703	BF436797, BE614225, BF092492, AI201866, AI566970, BF509280, AW104472, AI656009, AW295965, AA758867, BF057078, AI219471, AI452536, AI743932, AW197851, AW135409, AI916057, AA398022, AI041112, AA928706, AI041252, BE502568, AW196570, BF222963, AI971262, AW894346, BF917434, AA913387, H86566, AI492117, AW894720, AW971983, AW090197, AW472972, AA574312, BE937627, AA662668, BF001949, BF436942, AV723803, AA927047, BF939436, BF934163, AI538251, AA732212, AW103239, AA975494, AA393984, AI688854, AA947763, AI612107, AV705323, AI567582, AL036705, AI345477, BE138624, AI670002, AA743430, AI568865, AI689096, AI224373, AI341690, AW089844, BF811802, AI499285, BF752997, BG111199, AI342023, AL134830, AI349640, BF911517, AI250070, AW303179, BF871314, AI701097, AI336581, AI335207, AI344789, AV681781, AI583670, N25033, AI336631, AW301513, AW072719, AW806761, AW268221, BF032768, AW268302, AW301459, AI884318, BF724894, AI318159, AI963631, AI863002, AI251963, AW301500, AI784233, AW302954, AW268122, AI719817, AI336582, AW080076, AI696714, BF766531, AI345587, AW301505, AI571439, AW104141, AI819326, AI491710, AW130134, AI633125, AI349772, AI539771, AW152182, AI579901, AI590043, AV747571, AI114703, BF669151, AI357049, AI538564, BF811804, AI690813, BG110532, AW081311, AI698391, BE896094, R41605, BG028055, AI349017, AI889189, AW151451, AI923446, AI879064, AI469505, AU118477, BG114528, AW834282, AW268164, AI499570, AI345415, AI591243, AI147292, AI587049, AI537677, AV759054, BE540578, AW051088, AI702073, AW301754, BF811779, AI623980, BF814449, AI250627, AI309392, AI349169, AI274647, AW194014, AI368579, AI240978, AI582912, AI433157, BG105895, AI589428, BG105500, BE878989, AW129230, AI335463, AI432644, AI560954, W38553, BG105812, AI472566, BF812961, AI638644, AW269095, AW026557, AI863197, AI349801, AI961403, BE393551, BG114103, AI915291, BG180273, AL514455, AI819545, AI366972, AV735732, AI589140, BG121222, AW301974, BF816042, AW236186, AI583475, AW269083, AI473536, N68309, AW301539, AI479292,

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HTLGQ25	2371	898114	1 - 655	15 - 669	AA812800, AA861049, AA778577, BG236239, AW274469, AA862667, AI201145, AW085021, AI219993, AV681575, and AL049634.
HTLGS72	2372	897278	1 - 1175	15 - 1189	AA935988, AA551503, AA533303, AA775207, AA491831, AA737432, AA601294, AA467844, AA467984, AA603185, AW265170, AL120933, AA494163, AA837655, AA769221, AI751216, AA531372, AA547947, AI932493, AA757797, AW270343, AA516226, W67368, BF792326, AW235497, AV739452, AW827120, AA468131, AA664909, AW168618, BE378770, AA879176, AV652936, AV734666, BF902055, BE065673, AI311927, M78005, AI445674, AA507824, AA493695, AA847499, AA483470, AA745406, AA541423, H09393, AW302903, AA632600, AA143516, AA548058, AW023672, BF347791, BF347740, AI687343, AA129446, AA502720, AA468022, AA523838, AA618452, AW238583, AV762009, AW275671, AW028392, AL046205, AW270382, BF826504, AI305766, AV762067, AV760777, AA378862, AA708336, AI000107, AL138265, AI431303, AI284640, AW501386, AI345157, AV734997, AA846953, AI583283, AW503256, AW020340, AW970871, T40452, AV745092, BG112237, AA649642, AV735370, AI872020, AV728425, AW960545, BF592311, AA482806, AA516309, AL120927, AW002350, AA720702, BE782280, AV710066, AA568869, AA515334, AA521323, BE897965, AA521399, BF681649, AV729809, AA846952, BF677892, AA837084, AF063563, AA581903, AV759274, AI254615, AA490183, AA649781, BF977376, AI538433, AI801482, AV736964, AA492166, AA634889, BE297262, BE253048, AI873852, AV762111, AW275510, AA857486, AI064864, AV763122, AV728410, AL038703, AI798473,

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HTLGY50	2373	839479	1 - 1231	15 - 1245	<p>AI040969, AI968404, AI016183, AI376647, AW104523, AI208020, AW236872, AI809978, AI219140, AW665274, BF515819, AI056863, AI971889, AW269906, AI572300, AA936591, AA907909, AI078017, R10482, BF115441, R11614, BF062319, AW592757, AW002858, R19404, AC004797, AC004797, AC004797, AC004797, AC069454, and AC069454.</p>
HTLHN86	2374	896930	1 - 2190	15 - 2204	<p>BG260679, BE744499, BE791844, BE799404, BF341229, BF340249, BG033558, BE787232, BE563298, BE512690, BE727788, BF128559, BE727160, BF792775, BE791996, BF526027, AL520325, BG118406, BF528636, BG120791, Z78324, BG252616, BE267489, AW997217, AA573951, AW378545, BE884919, BE545107, AW161658, BG058810,</p>

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HTLHN86	2375	838287	1 - 2226	15 - 2240	BG260679, BE744499, BE791844, BE799404, BF341229, BF340249, BG033558, BE787232,

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HTLHN86	2376	843766	1 - 2226	15 - 2240	BG260679, BE744499, BE791844, BE799404, BF341229, BF340249, BG033558, BE787232, BE563298, BE512690, BE727788, BF128559, BE727160, BF528636, BF792775, BE791996, BF526027, AL520325, BG118406, BG120791, Z78324, BG252616, BE267489, AW997217, AA573951, AW378545, BE884919, BE545107, AW161658, BG058810, AL120658, BF954742, AW673944, AW953507, AA479588, AW250895, BE899050, BE531156, AI384065, AW250140, AA777294, BF954739, AW410340, AI955759, BG057374, AW579652, AA812736, AA514652, AI140280, AA522793, AA889483, AW378626, AW273718, AA595719, BE299671, AW378630, BE272956, AI189202, BE901834, H17214, AA888064, AA643992, AW675106, AI375020, AW163090, AW157575, AI308921, AW074078, AI989412, AI688905, BF876474, AI816518, AA214547, AI751405, AI984530, AA578553, AW152123, W90602, AI086778, BF830769, AI564028, AI814124, AI277623, AI000764, BF943828, AW167325, AI591307, AA428453, BF839950, AI305195, AA479881, AA448198, AV726467, BF839936, AA351741, AI197967, W90279, AI186150, BF926156, N38977, AV725693, BF819780, AI150970, BF839952, W26025, AI189201, AI498860, AA477427, AA625566, W26470, BF740682, AA262237, D53953, BF771915, R24861, BG167488, BF923441, W46800, AA401647, N92450, H20700, AA906675, BF768960, AI760569, AI973119, T77973, AA351632, BF528593, BF848734, BE542451, BE908963, BF110605, BF927449, AW001432, AA741525, AW802164, N48124, AW732250, AI493504, T40680, AI688597, AI033536, AI648659, AI568284, AI201130, AI973130, BE245484, W31334, AI301841, AW087959, T68681, BG152674, H17111, AW087314, BF923568, AA318045, AA148971, AW732249, T26959, BG055736, AI923243, AA311472, BF992504, BF770005, BF848768, T51763, AA327274, R85673, BE076365, T23497, F32993, AI144182, BF801918, AI887003, BF768181, BF927450, AA213532, T35367, T03584, AI263552, BE264886, BF858836, AA299160,

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HTLHN86	2377	883351	1 - 2226	15 - 2240	BG260679, BE744499, BE791844, BE799404, BF341229, BF340249, BG033558, BE787232, BE563298, BE512690, BE727788, BF128559, BE727160, BF528636, BF792775, BE791996, BF526027, AL520325, BG118406, BG120791, Z78324, BG252616, BE267489, AW997217, AA573951, AW378545, BE884919, BE545107, AW161658, BG058810, AL120658, BF954742, AW673944, AW953507, AA479588, AW250895, BE899050, BE531156, AI384065, AW250140, AA777294, BF954739, AW410340, AI955759, BG057374, AW579652, AA812736, AA514652, AI140280, AA522793, AA889483, AW378626, AW273718, AA595719, BE299671, BE272956, AW378630, AI189202, BE901834, H17214, AA888064, AA643992, AW675106, AI375020, AW163090, AW157575, AI308921, AW074078, AI989412, AI688905, BF876474, AI816518, AA214547, AI751405, AI984530, AA578553, AW152123, W90602, AI086778, BF830769, AI564028, AI814124, AI277623, AI000764, BF943828, AW167325, AI591307, AA428453, BF839950, AI305195, AA479881, AA448198, AV726467, BF839936, AI197967, AA351741, W90279, AI186150, BF926156, N38977, AV725693, BF819780, AI150970, BF839952, W26025, AI189201, AI498860, AA477427, AA625566, W26470, BF740682, AA262237, D53953, BF771915, R24861, BF923441, BG167488, W46800, AA401647, N92450, H20700, AA906675, BF768960, AI760569, AI973119, T77973, AA351632, BF528593, BF848734, BE542451, BF110605, BF927449, AW001432, BE908963, AA741525, AW802164, N48124, AW732250, AI493504, T40680, AI688597, AI033536, AI648659,

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HTLIW29	2378	899417	1 - 1068	15 - 1082	AI126185, AA161187, AA620757, AA448095, AI016399, AA525010, AI150137, AA448166, AA729680, AI278269, AA149942, AA447596, AA401115, AW971363, AA552523, BE546936, AA860356, AI217989, AI926900, AW379529, AA430431, AA159101, AA401114, H54045, AB031329, AB031330, AF058300, AB031331, AF058301, AC005361, AC005570, AC005361, and AC005361.
HTLJC15	2379	898235	1 - 1899	15 - 1913	AL520900, AL520550, AL520551, AL521649, AL520901, AV704088, BG029889, BG120878, AW372721, BE264987, AA779652, AL037829, BE906201, AL044300, BG170969, BE782595, BE891253, AL037830, AW372704, BE768930, AA722880, BF724791, BG104612, AA447813, N21569, AI168324, BE349318, BE047392, AW131642, AA478642, AI590628, AA292897, AA410845, AI829611, BG254734, R52846, AA447814, AI142945, AI142943, AA252189, AI359892, AA974206, BF508776, AI190425, BE350039, AI085888, D59872, AI446645, AI335769, AA861454, AI268764, AA776515, AI077663, AI806892, AW083118, AA554318, AI439022, AI373036, BG164250, R66420, AA302641, W73952, N42730, AA594115, AV683614, AI249488, AA936827, AI917956, AI367631, AA156886, AW511599, AW151261,

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HTNAL14	2380	886203	1 - 1975	15 - 1989	AA384474, AW844959, AK000061, AL136322, AL136322, AC008110, AC008110, AL139136, and AL139136.
HTNAL34	2381	588414	1 - 322	15 - 336	AW128892, AI343772, AI948618, AA384427, AW195101, AI301101, AI343847, AI758950, AC017061, and AC017061.
HTNBJ15	2382	834872	1 - 2780	15 - 2794	BG024845, AV729412, AV727820, AV706118, AV727921, AI694509, AI652985, AV700463, BE221744, AW451837, AI346439, AW956030, AA001417, AW961239, AA044200, BG251649, AW966602, BE549533, AL119469, W68156, AA149304, BE672336, AW276548, AI798830, AI797107, AI478522, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AI051914, AW470909, AI304371, AA669088, AI221783, BF435645, BE350309, AA906416, AI797470, AV658817, AI336072, AI610860, AI979215, AI982633, AA678955, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AI304783, AW964448, AI887431, AI343660, AA044024, AV707660, AI969531, AI635907, AI285536, W31833, AI340134, BE222488, AI625054, W37252, BG149929, AI268147, AA058969, H40220, AI888613, AV707680, H58695, AI092296, AA976169, AW771638, AW794561, W33186, AA905274, AA251881, BF372058, AA694450, AI762947, AA001476, BE503144, AA083679, BF996354, AW204832, AW204841, AI865003, AA730992, AW953602, AI807440, BF733679,

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HTNBJ15	2383	845783	1 - 2778	15 - 2792	<p>BG024845, AV729412, AV727820, AV706118, AV727921, AI694509, AI652985, AV700463, BE221744, AW451837, AI346439, AW956030, AA001417, AW961239, AA044200, BG251649, AW966602, BE549533, AL119469, BE672336, W68156, AA149304, AW276548, AI798830, AI797107, AI478522, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AI051914, AW470909, AI304371, AI221783, AA669088, BF435645, BE350309, AA906416, AI797470, AV658817, AI336072, AI610860, AI979215, AA678955, AI982633, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AI304783, AW964448, AI887431, AI343660, AA044024, AV707660, AI969531, AI635907, AI285536, W31833, AI340134, BE222488, AI625054, W37252, BG149929, AI268147, AA058969, H40220, AI888613, AV707680, H58695, AI092296, AA976169, AW771638, AW794561, W33186, AA905274, AA251881, BF372058, AW204841, AA694450, AI762947, AA001476, BE503144, AA083679, BF996354, AI865003, AW204832,</p>

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HTNBJ15	2384	853916	1 - 3337	15 - 3351	<p>BG024845, AV729412, AV727820, AV706118, AV727921, AI694509, AI652985, AV700463, AW961239, BE221744, AW451837, AI346439, AW956030, AA001417, AA044200, BG251649, AW966602, BE549533, AL119469, AA149304, W68156, BE672336, AW276548, AI798830, AI797107, AI478522, AV659189, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AW470909, AI051914, AI304371, BF435645, AI221783, AA669088, BE350309, AA906416, AI797470, AI982633, AV658817, AI336072, AI610860, AI979215, AV706746, AA678955, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AV705020, AV702354, AI304783, AW964448, AI887431, AV707769, AI343660, AA044024, AV707660, AV725387, AV658362, AV726738, AI969531, AV709356, AI635907, AV706290, AI285536, AV706025, W31833, AV708809, AV727932, AV701851, AV726559, AI340134, AV703591, AV693117, AV727189, AV725181, AI625054, BE222488, W37252, AV727576, AV725152,</p>

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HTNBJ15	2385	884024	1 - 2780	15 - 2794	BG024845, AV729412, AV727820, AV706118, AV727921, AI652985, AI694509, AV700463, BE221744, AW451837, AI346439, AW956030, AA001417, AW961239, AA044200, BG251649, AW966602, BE549533, AL119469, W68156, AA149304, BE672336, AW276548, AI798830, AI797107, AI478522, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AW470909, AI051914, AI304371, AA669088, BF435645, AI221783, BE350309, AA906416, AI797470, AV658817, AI336072, AI610860, AI979215, AI982633, AA678955, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AI304783, AW964448, AI887431, AI343660, AA044024, AV707660, AI969531, AI635907, AI285536, W31833, AI340134, AI625054, BE222488, W37252, BG149929, AI268147, AA058969, H40220, AI888613, AV707680, H58695, AI092296, AA976169, AW794561, AW771638, W33186, AA905274, AA251881, BF372058, AA694450, AI762947, AA001476, BE503144, AA083679, BF996354, AW204832, AW204841, AI865003, AA730992, AW953602, AI807440, BF733679, AV708214, R68741, AA111864, AI498435, AW183128, H80484, AA149278, AV654411, AA856892, AW901814, BF372089, AV653462, T36217, AA976147, R94269, AW978661, AA631419, AV721586, AA482712, AI910390, AI254349, AI673564, BF334653, BF693346, H40793, AA149264, AV706817, AV704256, W04585, BF126560, H58305, H63329, N34916, D80081, AW391280, AI648365, D20797, AA459353, R10264, D62480, T90793, AW445011, T33980, H78662, AA384252, BF954960, AW339413, D58362, R10265, AI698436, BF357151, D57611, H78607, T89062, AA369933, AI868095, R68686, Z40781, N87946, AW163747, BF352658, AA719387, H15739, AA888623, AA149418, AV658629, AA147560, R32228, AV658667, AV657151, AW805678, BF680994, BF357152, T83317, AA689254, AL121119, N87651, Z45050, BF915373, R21407, BE888600, BF831037, AI926116, W67697, AL079546, R79827, H15738, AA334779, H63252, AI954230, R32179, AW374297, AA326777, N57882, AA935060, T27320, AI889710, AI866057, R79633, AW152370, BF351884, BF376964, BF376971, BF944257, BF376934, BE838020,

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HTOAC65	2386	791689	1 - 1000	15 - 1014	AW976365, AW976375, AA651830, AA743256, AA761049, AC024028, and AC024028.
HTOAE47	2387	863188	1 - 1368	15 - 1382	BG111076, BG236336, AI648447, AL117186, AL117186, AL117186, AL117186, AL138539, AL138539, and AL138539.
HTOAK03	2388	581103	1 - 1268	15 - 1282	AW501094, BF091763, AW503584, and D83781.
HTOAO58	2389	855972	1 - 1623	15 - 1637	AV656374, AI698302, AW608876, AW876532, BE074218, and X91827.
HTOAT56	2390	702026	1 - 1508	15 - 1522	AL527971, AL527114, AL525578, AL527662, AL530640, AL530639, AL525527, BE613157, BE744419, BG260459, BE730254, BG164178, BF974904, BF034551, BF974176, BG170056, BF124919, BE908482, AW575072, BE744815, BE393924, BE275013, BE909093, BF976711, BE741238, BE877307, BG170280, BE410451, BE746927, BF981222, BE962359, BG165516, BE264567, BE867863, BG168005, BG118709, BF219799, BE901548, BE548524, BE617852, AW245879, AW954693, BE905461, AL527127, BF036070, BE264389, BE747690, BF982815, BE870316, BE898281, BE396290, BG115529, BE612995, BF033023, AI885402, BE962247, BE735396, AW410641, AW819594, AW575125, BE617394, BG116465, BE298595, AI991184, AW935158, AW574792, BE676516, BE616937, AW574756, AW387107, BG106832, AI829944, AW512364, AW170092, BE674969, BF115964, AI921923, AA477599, AW008540, AI924538, AA402134, AI074307, AA873160, BF220187, AW387090, BF439439, AW337968, BG176553, AI829318, BF437001, BE208227, AW028819, BF976039, W95516, BE617598, AI139793, AA402378, AA857987, BE617360, AA745265, AW410640, AI005213, AI479060, AI091416, AI684266, AW242087, AA465253, AA456798, AI362816, AW512911, W79630, AI336176, BF875069, AW512623, AA609827, AI222764, AI972124, AI161220, AI538743, AI075402, BG014395, AA443894, N54144, AW474208, AI090476, AI446095, BE891033, BF744898, AI139048, AA873436, AA864636, AI598268, AI609956, AA292270, BF879837, AW194155, AI086820, AI096558, AI151109, AI027063, AW473682, AA536177, AI028016, F37944, BF037848, AA488987, AI805600, AA937584, AI434504, AW469206, AI613224, AI241070, AI469710, AW117881, AI074246, AI187204, BF876032, BG013080, AI619841, AA838514, AW473135, W79486, AI872263, AA576443, AA770528, AI348212, BE049246,

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HTOBG07	2391	566862	1 - 1330	15 - 1344	BE795901, BF203384, AL537625, BE165753, AW295634, BF928436, AI207863, BF817012, AA375456, AW276857, AA430998, AI821164, BE019597, and AI791924.
HTOBG62	2392	566830	1 - 1385	15 - 1399	AL042373, AV762633, AW976024, AV763026, AV763058, AW237905, AA916430, AL079734, AW068596, AW271904, AW069227, AI890324, AW270385, AW504485, BE968744, AI733856, BE138594, AW084445, AI380617, BF725884, AV756491, BF526964, AI610468, AW805539, AI821931, N23504, AI754653, AA747757, AW970571, BE501593, AA644090, AI282253, AA013168, BE062476, AV738383, AW023111, AW969743, BF854132, AA912287, AA129746, AA019973, AA935409, BF838037, AI440117, AV762430, AA533025, AI537020, AA483606, BE139139, BF917346, AW873261, AI250552, BE062478, AW805547, AA581170, AA570740, AW069769, AV759632, AV761107, BF868994, AA513851, AI254959, AI251284, AI251034, AI251203, BF918022, AV758870, BE000614, T05118, AI216990, AI687343, AI887235, AW970877, AW303098, AI369580, AA579179, AW131043, AW969831, AW500029, AW973992, BF724838, AV756809, AA535216, AI613389, AA568204, AW861303, AI366555, BG000961, AW328000, AI627614, BF725761, BE138387, AA054085, AA191418, AI469599, AW238484, AI923052, AA502532, AL036665, AV764259, BE143634,

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HTODA92	2393	849216	1 - 3247	15 - 3261	BG025133, BG252301, BG256960, AU139184, BF573562, AW962898, AV755338, BG178042, AI052015, AV713383, BE646366, BE779141, AW821363, AV714733, AI967934, BE466725, AI762866, BE540079, AA521340, AI961341, AI760946, BF790658, AA418619, AI934443, BE676035, AA495732, AW271423, AA418489, AW291246, AU153268, BF572820, AU157915, AI690162, BF382341, AI027103, AU157242, AI373598, AA287239, AA608664, AI378793, AI215146, BE044015, AI816931, BF694639, AI659673, AI131146, AA281951, AI214212, AA284518, AW071508, AA282426, AI741527, AA505183, AI492497, AA021637, AI016558, N63082, AA021536, BE254858, AI859894, AI206232, AU155682, AI241003, AI348565, AW673729, R52179, AI985539, D20067, AA826923, AW340509, AA234532, AA651747, AA018525, W07666, BF248215, BE463703, AA126698, AA040545, Z43691, N39487, AA706607, AI582541, AI340926, AW771286, AA040544, H00234, AA628081, AI373633, AA551543, Z39749, AW821369, N81038, AI918717, AA908355, H03772, AA127030, N26798, AI270238, AA018273, W61176, AW169433, AW119122, H04653, H04912, R52086, N24025, Z24915, AA495795, H22798, AA830013, H02876, W61138, BF154905, AW196318, H00183, AI354259, AW085566, BE002497, T34049, AA033680, AA548491, AA557423, AA921683, C18826, AI363820, BF154904, AA633148, BF154907, H04809, AA810094, AA492379, R43206, H04675, AW503320,

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HTODN35	2394	570901	1 - 1580	15 - 1594	AC009079.
HTODO45	2395	823125	1 - 1441	15 - 1455	AL135062, AC003101, AC009086, AC006084, AC021036, AL355385, AL031722, AL158196, AL022721, AC005911, AL354720, AC004558, AC005695, AL390738, Z85986, AP001064, AC005512, AL022396, AP001065, AL121712, AC005409, AL021453, AC005821, Z83844, AC002544, AP001754, AC006360, AL132653, AC011495, AL035089, AC002347, AC010102, AL162505, AC027557, AC027557, AL356262, and AL356262.
HTOEA53	2396	842764	1 - 2006	15 - 2020	AA551161, AC012460, AC012460, AC073641, AC073641, AC012664, AC012664, and AC021136.
HTOEB55	2397	665897	1 - 1760	15 - 1774	AW052152, AI692791, AI675810, AA993573, AW440294, BF197589, AW015841, BE835321, BE835389, AI922338, BF940264, AA778162, BE835284, AI936249, AA040275, AI973075, AI920872, AA040616, AI567902, AI280556, AA654487, AA654540, AA040617, N68522, W80655, W92741, R80106, AV753878, W92835, AV754001, AV754389, AW009615, AA578357, C02030, AW439570, AA040274, AA706386, R79999, AA541498, W00718, F04539, AI565527, AA471322, AW974010, AI792460, AA758615, BE910743, AA557172, AI761787, W00717, BE835454, BF745250, N68523, AA579057, AF107885, X14891, X14149, J03241, I03321, and X14150.
HTOEB76	2398	688060	1 - 1605	15 - 1619	BF930911, AI912803, AI698800, BG149343, AW452971, AI458978, AI695400, BE464741, AL079999, AA805280, AL513553,

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HTOET03	2399	845230	1 - 1907	15 - 1921	AL518196, AU143366, BE276780, BE729353, AV716407, BE304958, BE384435, BE305159, AW363210, BE616174, BE253448, BE514964, BE407722, AA430295, BE300474, BF061111, AI018643, BE391472, AI343424, AW303813, BE299950, N58271, BE300287, BF002365, BE293940, BE302524, AI480373, AU160469, AI366086, AI215130, AW005372, AA550978, BG222285, BE895890, AA848070, AI874316, AI890471, AA026033, BE391652, BG028992, BE895891, AI971926, AI424057, AA618010, AW363187, AW363202, BE300048, AA503251, AI471672, AW079024, AA581314, AA443797, AA807231, AA232404, AI052290, AW771219, H52698, AA252674, AW589494, BF182707, W05332, AA009913, H63929, AA301241, AA009639, AI863702, H52976, AA582115, AA319431, AI191593, AI277054, AI763155, AL518197, R13210, AA302175, BE296024, R49690, AA252672, BE671776, AI962631, BE673057, AA283196, BE206541, AA468736, AA580407, AI244625, BF876107, AI470860, AA523626, N75539, AA299309, BE546211, AW609645, BE397354, BE396361, BE250095, BE513461, BE870657, BE267906, AF053003, and AC005038.
HTOET03	2400	837213	1 - 1906	15 - 1920	AL518196, AU143366, BE276780, BE729353, AV716407, BE304958, BE384435, BE305159, AW363210, BE616174, BE253448, BE514964, BE407722, AA430295, BE300474, BF061111, AI018643, BE391472, AI343424, AW303813, BE299950, N58271, BE300287, BF002365, BE293940, BE302524, AI480373, AU160469, AI366086, AI215130, AW005372, AA550978, BG222285, BE895890, AA848070, AI874316, AI890471, AA026033, BE391652, BG028992, BE895891, AI971926, AI424057, AA618010, AW363187, AW363202, BE300048, AA503251, AI471672, AW079024, AA581314, AA443797, AA807231, AA232404, AI052290, AW771219, H52698, AA252674, AW589494, BF182707, W05332, AA009913, H63929, AA301241, AA009639, AI863702, H52976, AA582115, AA319431, AI191593, AI277054, AI763155, AL518197, R13210, AA302175, BE296024, R49690, AA252672, BE671776, AI962631, BE673057, AA283196, BE206541, AA468736, AA580407, AI244625, BF876107, AI470860, AA523626, N75539, AA299309, BE546211, AW609645, BE397354, BE396361, BE250095, BE513461, BE870657, BE267906, AF053003, and AC005038.

HTOEV01	2401	634653	1 - 2192	15 - 2206	BF759925, C74984, AA010231, AA705096, BF870227, BF380652, AA010156, BF874915, AF111168, AC003101, AC006251, AL121981, AC005091, AL158830, AC005822, AC005103, AF047825, AC008556, AC007199, AC004491, AL031727, AJ009615, AC005971, AL031295, AL035405, AC016543, AL035587, AC011452, AC007011, AL109963, AC005725, AC004150, AL050349, AC024649, AC024649, AC024649, AC024450, AC024450, and AC024450.
HTOFA11	2402	637719	1 - 2583	15 - 2597	AA766214, BG106534, AW131668, BF663334, BG176917, AV716938, BG232022, BF663200, AA858023, AV714394, AA165543, AI523647, BF794643, AV715313, AW854143, BG236461, AI627929, BF663905, BF672671, BF846835, BG232008, BF916376, BG107139, AW614870, AW946904, AW515958, BE044123, AV735238, BF974604, AI817360, BG024963, AW574923, AV759623, AA746256, AW404796, BG058567, AV703116, BF976578, AA165510, AW405212, AA564957, AA131654, BG106095, AI889774, AA635838, BG176945, AI913770, AI141914, AW406262, BF891177, AV705121, AI097155, AV705966, AV707481, AA417879, AA634860, AA652656, AW474013, AW170583, BF874093, AI084034, AA703160, AI274173, AI433246, BG105961, AI149461, AI000769, AI554248, AI803471, BG024329, AW072121, BF377745, AA131588, AI025871, AW576067, AI358266, W87428, AA622265, AA708855, BF891581, BF891575, AA633257, AI469262, BF891202, AV691913, AV693666, AA159668, AA419168, AI865230, AI831123, AW337397, AI250702, BF884309, AW405771, AW406412, AV657580, AW406310, BF868985, BF891027, AA978343, BE827807, BF963070, AW402670, AA679851, W87573, BF868701, AW796429, AA159773, AW803386, AI719939, BG024343, AI141141, AW518174, AA482466, AW368560, AI193402, AA918569, AV717599, AW406295, AA887979, AI193894, AI633727, AW402410, AA775022, AA405114, AI336045, AV693491, R62321, AI709196, AW406388, AW406867, BF950596, BF874104, T65859, BF858183, AI758717, AW403503, AA878538, AW800018, AA385676, BE696755, AI905912, AW404237, BF330961, BF874095, AI819482, AI573045, AI347065, AI433194, BF869315, AI347068, AV741647, AI887132, AV734144, BF869593, BF891573, BF891196, AW016654, W37302, AA367085, R62322, AA862420, BE696751, W01611, AW403818, H92332, BF896819, BF378554, T89647, AW629664,

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HTOFC33	2403	824604	1 - 1061	15 - 1075	AW410844, AV683406, AI065031, AL121039, BG180320, AI702049, AW265468, AW148821, AA180056, AA557945, AI570067, AI797998, AU147529, AI310670, AA425283, AI174703, AW409621, AW162314, BG059139, AW275432, AA659923, AI312267, AW975150, AI285651, AL044458, AI349130, AA507623, AW410409, AA631915, AI039257, AI003068, AI547110, AI224583, AI064968, BE273825, AI345166, AW975239, AV759046, AI921744,

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HTOGB79	2404	762835	1 - 2764	15 - 2778	AU134362, AW026206, AU155378, AW501740, BF590448, BE005930, BF432174, AA702816, AA700286, AI423140, AW130453, AV709806, AA573453, AV732057, AU121918, AV730440, BG260565, BE538860, AU123691, AW965848, AV720570, BE895796, AV719402, BE540631, AV718718, AI679294, BE675240, AI679871, N23913, BE162539, AI266160, AI768429, BF770860, AW372037, AA126005, AA190895, AW935711, AA524604, AU125644, AL037632, BG164602, AA493245, AW979158, BE270471, H71678, AA521323, AA983673, AW440935, AI701026, AK023394, AC008569, AJ277546, AC004686, AC006285, AC006483, AC008474, AL096791, AC008806, AC005102, AC011491, AC018738, AC005529, U52111, AL157938, AL033529, AC009516, AL136295, AC004166, AC008372, AC022148, AF168787, AC004971, AP000556, AL049636, AC004526, AC005103, AF109907, AF047825, AP001725, AL109623, AF196779, AC007707, AC009123, AC005844, AC006023, AC010553, AP000350, AC005098,

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					AC004605, AC016025, AC005500, AL139286, AC004876, and AC007731.
HTOHE22	2405	821698	1 - 1890	15 - 1904	BE093421, AA773006, AI340151, AI433104, BE538860, AW963117, AA715814, AI833293, BE963665, BF991208, AW270771, AA525174, BE062478, AC004049, AL035458, AL023879, AC005280, AL049780, AC007055, AL020997, AC004890, AC009314, AC005231, AC005089, AC018719, AL139100, AC006544, AL136168, AC009362, AC005632, AL035086, AC008738, AL136305, AC034242, AL031311, AC025593, AL136300, AC016594, AL109825, AL159168, AC005180, Z93015, AC008569, AC006101, AL096791, AC005080, AL109963, AP001695, AC007283, AC024561, AC009516, AC002996, AC007383, AC005399, AF196971, AC004801, AC005102, AL353807, AC006349, AF024533, AC011479, AC005236, AC005500, AL049539, AL080250, D87675, AX039602, AL139099, AC007620, AC005031, Z84469, AL133246, AL157951, AC069080, AC005081, AC005049, AP001670, AC011452, AC008474, AC021016, AJ295844, AL121903, AF228703, U47924, AC007850, AC005046, AL445687, AC018751, AC020913, Z93017, AL136172, AC018663, AC008155, AC008537, AC002425, AP000555, AL109758, AC004865, AC005288, AC005920, AC002301, AC004167, AC003101, AL137818, AC009079, AC009032, AC005874, AF134471, AC004967, AC020904, Z83838, AC020552, AL136137, AC007731, Z93930, AL133355, AL031681, AL049569, AC004166, AL031733, AC011811, AC007541, AC005821, AL162615, AC011480, AL121890, AC009756, AC003688, AC005071, AC004526, AC004383, AC005412, AL162430, AL121747, AL096701, U80017, AL137230, AC011455, AC007883, AC018758, AC011462, AC007597, AC005015, AC004953, AL136295, AC007308, AC004883, AC005520, AF196969, AC010271, AF165926, AC009060, AL035450, AC007314, Z97054, AB001523, AL158830, AC005522, AC008567, AL139353, AC006006, AL031667, Z95116, AL157838, AC002404, AL117382, AL034379, AC010458, AC006064, AC002492, AC010412, AJ277546, AC005696, AC005971, AL022316, AL157877, AC011475, AP000501, AC007637, AL121653, AC008044, AL034549, AC004000, AL022323, AL121586, AC007957, AL050348, AC005324, AB023051, AC008757, AE000658, AC008392, Z93023, AF001549, AC004263, AF205588, AF196972, AC020916, Z99128,

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HTOHG63	2406	834832	1 - 1904	15 - 1918	AW961335, AW957067, AA025362, AW630038, AI686133, AA860488, BG000058, AW057799, AI039243, AI537757, AA884973, AI300094, R64270, AI033166, AA514289, AA917425, AA025351, AA069927, AI240556, AU156467, H71729, AA294953, R68527, AW867943, R81636, R81433, AA971063, R48387, T86650, AI264794, Z30169, R68234, R48242, R48339, AA502578, BF991475, AA781045, AA369153, AA369152, W38498, Z30108, AA304188, AA613006, BG009518, AW869203, AA249514, BF911568, AA352783, AA485879, T90825, BF925888, AA514284, BE970195, AW183068, BF855321, AI057146, BF931686, T90826, BE969755, W03353, BE093537, AA133858, BF222081, AW860532, H43957, BE182414, AA628592, AA683022, BF906237, BF855305, AI791191, BF840206, AI784505, R11243, AI127181, BE093538, BF855285, AK023527, AX011654, AC012598, AL163283, AF165176, AC073316, AL359012, AL096793, AC009784, AC018645, AC004972, AL118520, AL442166, AC004582, AL163284, AL138914, AC007486, AC009333, AL080249, AC002086, AL158072, AC005053, AC005023, AL353738, AL163267, AL023581, AC008844, AP001730, AC022816, AC010139, AC006195, AC007237, AL133335, AC006210, AF207955, AP001727, AL035697, AP001709, AC002385, AC002990, AC017047, AC061958, AP001038, AL163303, AC004887, AC008069, AJ229042, AC006370, AP001037, AL158206, AC007912, AL137118, AP000039, AF001552, AL080275, AL357129, AB020869, AP000201, AF129078, AC023344, AC068313, AC069298, AP000097, AP001596, AP001715, AP001732, AC006062, AC006994, AC005751, AL138741, AL049613, AC002386, AC083870, AP001693, AC007077, AP001696, AP000221, AL163208, AL136300, AJ011931, AL121869, AL139112,

HTOHJ93	2407	762836	1 - 1754	15 - 1768	and AC025268. AI281815, AI475337, AV759518, AA487885, AV760560, AI911929, AV702946, AW327784, AV733824, AW575358, AA744350, AW193465, BG059169, AW574920, AW574944, AI698491, AI476164, AI284078, AW080742, AW404780, AW193081, AI360572, AI698513, AI075109, AI538932, AW272923, BF974797, AW002833, AA809091, AI273083, AA650622, AL138455, BG059126, AW575295, AI066510, AV756220, AA713747, AV688454, AA805015, AI625360, AV760391, BE940533, AI634404, AW614944, N26204, AI829893, AV760389, AA770569, AW950372, AI660702, AA737933, AI912398, AI811759, AA961457, AA737943, AI014730, R83196, AI434160, AI628036, AI350812, AI434507, AI864916, AI371776, AA737901, AI697421, AW615325, AA527661, AI748973, T86846, AI625973, AA614655, AA632227, AA603214, AI660658, AA588598, AW467997, AA975647, AA738284, AA506036, BF342223, AA614783, AW276614, AA768061, AI863381, AA634071, AA742760, AA621960, AA321382, AA825947, AI831395, AA845910, N32777, AW193095, AA962003, AA595896, AA737870, AI865736, BF725761, AW504168, AI372087, AI934094, AW081935, AL138431, AI357035, AW084029, AA760655, BG150690, AW085862, AW468690, AA999934, AA904302, BF725844, AI150921, R49902, AA904288, AA742810, AV760019, AA552683, AA558948, AA715513, AI581738, AI832708, AI749760, AW970571, AI819543, AI061313, AI273106, AW664286, AI581110, AA663930, AW050795, AI860673, AA745402, AA807692, AV733431, AI754653, AV760466, BE882869, AI358198, BF379679, BE940073, BE940077, AW191888, AI433176, AI719526, AI819803, AI431690, AL042753, AI086727, AW191835, AW517589, AW002347, AA715283, AA904298, AI687032, BF094050, AW407632, AA410788, AI445453, AU127566, AI584046, AI476094, AW732205, BE940060, BG059314, AI735247, AI536827, AI439322, N23697, AI245893, AW084241, AA833875, AA833896, AA828054, AW079400, BE927966, AW083862, AI733856, BE940693, AI565916, AV662292, AW328331, AL040038, AW959378, AL041924, H14556, AA129746, BG180976, AA455483, AW263767, AI866017, BF946053, AI811741, BF379682, AA477503, AV709529, H25405, AV762645, AA489240, AV759199, AI609972, AW265614, AC002060, AL022324, AC007050, AL008723, AC006965, AC005015, AF207550, AC083863,
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HTOHM12	2408	740771	1 - 2182	15 - 2196	BF844623, AA640546, AA649509, AA649527, AW974642, AA324872, AC003989, AC003989, and AC003989.
HTOHM82	2409	732366	1 - 1547	15 - 1561	BE544612, BF243752, BF243733, BF243509, AA441827, AI472349, AL023656, AL356958, AL356958, AL356958, AL023656, AL023656, and AL023656.
HTOHN40	2410	843372	1 - 1949	15 - 1963	AU120502, AU146546, AA723441, AK001115, AL365321, AL365321, and AL137856.
HTOHR59	2411	762850	1 - 1286	15 - 1300	AI696962, AW069769, AW270310, AW264986, AA584125, AI754336, AW419262, AA491862, BF934742, BF913236, AW576503, F08248, BF149427, AI282511, AW504240, AV743392, AA714110, AA912287, F12561, AW571963, AI344948, AA581525, AI085242, N23913, AA468505, AA491650, AA745507, AA339245, AL079645, BE672637, AA522642, BE145119, AI890236, BF812839, AW020088, BE139146, AI524360, AL045813, AI821785, BE085529, AF001549, AC005291, AL121653, AL009179, AP001726, AC020744, AC004884, AL136319, AC002400, AC010463, AC008892, AC006345, AC011311, AC009134, AC003070, U95742, AL121655, AC009600, AL049553, AL117336, AL031281, AL022238, AC006251, AL050341, AL033533, AC005520, AL009051, Z98044, AP001713, AF243527, AC008519, AC006441, AC007536, AL021391, AC002492, AC004906, AP001759, AC011451, AC004980, AL139286, AC005353, AC005005, AL138775, Z82244, AC027319, AL118520, AC002331, AC007683, AL109825, AC011484, AC016948, AC006017, AC006120, AC007386, AC002544, AC004687, AJ246003, AC007744, AL136170, AL162578, AC005670, AC009955, AP001725, AP001688, AL078461, AC010363, AP000501, U91323, AJ003147, AC008403, AC004876, AL161731, AC055740, AL117338, AC013434, AC002316, U91326, AP000505, AC007954, AL050335, AC004408, AL023807, AC000052, AL096840, AC006160, AL031670, AC002395, AL133453, AP000113, AP000045, Z84469, AC006211, AC022148, AC011742, AL121751, AC002091,

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HTOHS29	2412	722256	1 - 1132	15 - 1146	AW970246, BF984248, AA534526, AW970327, AI018775, AW418743, AA534569, AI417188, AA282383, AV724594, AI829206, AW117236, AA446676, AA741185, AA913497, BF941432, W65301, AA446551, AA936790, AW243522, AW083517, AA620516, AA421569, AA837364, W65399, AA767166, AW263952, AA883727, AW806104, AW806014, AW806043, AW806045, AW806044, AW806102, AW805997, AW806036, AA384485, AW806070, AW806078, AI365433, AW806109, W89150, AW386102, AW806069, AA282040, AW806100, AW806084, AW806106, AA373550, BF094260, AW806088, T71404, BF094261, AA991822, T71270, AW806112, AA897570, AI423648, AA359732, AI695555, R63801, BE766223, AW806107, W89149, AA628650, AI376310, BF093414, BF093421, BE041314, AA421587, AW806011, AW806019, AA934063, BE905172, AC004148,

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HTOID65	2413	636069	1 - 1458	15 - 1472	AA488903, AW062728, AW062681, AA668147, AL118573, BE897079, BE968477, AL120058, AW276458, H80203, AA602906, AI267356, AI267450, BE378263, AL043009, BF131490, AA225141, F35374, AU118374, AV756809, BF813805, AA622801, AA489897, AW962388, AI679759, N72678, AI187148, AW007220, BE501593, BF030482, AW970856, H53546, BF905075, AI890283, AA936008, AA129746, AI733856, AA225226, BG112362, AW338035, AW338021, AV727065, BF030962, AW021674, AW963444, AI249447, AL042753, AA236867, AA470933, AW574899, AA191659, AI864500, AI280504, AI815210, AV707276, AV758849, AU134429, AW510513, BE244178, AI573198, AI149537, AC005015, AC006064, AP000689, AF196971, AC004491, AC005071, AL023879, AL049694, AC016830, U91323, AL391114, AC010553, AC018720, AC004865, AC004150, AC020904, AC008403, AC004534, AP000555, AC010271, AL139099, AC013436, AF215937, AF001549, AC004167, AC009001, AL031311, AC006581, AC010150, AC002470, AC008569, AL049840, AP000065, AF001548, AC010412, AL121653, AC016027, AC011479, AC005632, AP001753, AC004967, AF045555, AC005080, AC005089, AC005102, AL121897, Z82178, AC005488, AC004000, AF196779, AC008812, AC009086, AL359457, AC004638, AC004983, AL035249, AL022328, AB003151, AC006345, AC005399, AC005529, AC004477, AC008747, AC007688, AC008068, AC020552, AC006946, AC005899, AC005971, AL096840, AL354864, AC007308, AL121601, AL035458, AC005200, AL080242, AC010598, AP001710, AC006970, AC007850, AL050318, AP000211, AC008482, AC011497, AC005663, AL031284, AL133507, AC023105, AL445483, AC011442, AC006967, AC005088, AC027644, AC021016, AC005778, AC005562, AC002312, AL031584, AC008395, U91326, AL117336, AL121774, AC005052, AC024082, AC018719, AC009228, AC004166, U63630, AC004876, AP001719, AP001716, AL157838, AC004965, AC010311, AC007954, AL109984, AL121751, AC006039, AC005527, AC000025, U95742, AC002430, AC004796, AP000295, AC008745, AL137127, AL050349,

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HTOIE17	2414	688061	1 - 1103	15 - 1117	AA501609, T83285, T90751, T90742, T83292, AC010092, AC011497, AC020552, AL132639, AL035249, AC020916, AP001630, AC003665, AC005067, AP001748, AF053356, AL139390, AL353653, AL355385, AC004491, AC005086, AC008635, AL137139, AC007637, AL022476, U95740, AC011489, AL391122, AC002365, AC004826, AC008101, AC008068, AC007226, Z83822, AP001039, AC008738, AC011491, AC006241, Z97054, AC024075, AC006329, AC004089, AL121897, AC005696, and AC011462.
HTOIG16	2415	845999	1 - 1783	15 - 1797	AA679514, AV740801, BF677892, AL138265, AL119691, AA126450, BF668217, AA503475, AI284640, AW327868, AA623002, AW833862, AV762009, AL046409, AV764307, AW500125, AV763122, AA490183, AA581903, AV761362, AW960468, AA491284, AI431303, AW975987, AA877817, AV761489, AV762111, AA491814, AI537506, AV763354, AW501386, AV763971,

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HTOIH39	2416	839245	1 - 1421	15 - 1435	BF106181, BF573967, BE066933, AI791227, AL079869, AA601278, BE066918, AA680243, BE207261, BF131300, AU130725, AW850149, BG163541, AA101744, AL527073, AW961994, BE783394, AI732120, BF679977, AV761207, AV762220, BG058664, AW957502, AW504485, AA225406, BE616984, BF824950, AU124213, BE740358, BE066940, BF725884, AW958962, AW272294, BF901147, AI635028, AI923451, AV734476, AI815583, AI816537, AV695478, AI567106, AI282479, BF741126, AI054414, AA644090, AU140403, BF528078, BF872337, AL120694, AI923458, AV760760, BG028918, AA485343, AW965008, BE062478, BE147624, AI793208, BE138594, AU118374, AV702109, AA833875, AI890324, BE968744, AI870453, BF527620, AA806796, F35374, AA833896, AW600804, AA584489, AV763977, AI821835, AC021036, AL031311, Z94801, AC007216, AC008151, AL022318, AC002300, AC003667, AC007052, Z84469, AC004002, AC005291, AC007011, AP000555, AJ271736, AL132653, AC008641, AC009229, AC004409, AC006512, AL391114, AC004552, AC008403, AC008720, AC006121, AF168787, AP000688, AL163206, AC006026, AP001724, AC003101, AC002091, AL121865, AL354864, AC004668, AL049840, AC004087, AC008372, AC007969, AL096763, AB042297, AL391259, U47924, AC007687, AC003010, AL133340, AC003950, AL160231, AL109935, AC004859, AL031670, AP001713, AL139109, AL031846, AL139328, AL133353, AC018719, AL049760, AP001712, AL137230, AC008806, AC007376, AC008115, AL445483, AL138878, AC005829, AC005520, AC000003, AC005537, AP000350, AL080243, AC007225, AC004020, AC007899, AL133324, AP001751, AC004106, AL020989, AP000035, AF172277, AL034550, AC005670, AC004841, AL117336, AL122020, AL138832, AF003626, AL133545, AL022476, AL049779, AF225899, AL136296, AC004019, AC010205, AC022402, AC006208, AF196970, AP000501,

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HTOIH51	2417	843408	1 - 1458	15 - 1472	AU119709, AU145981, AI684472, AU146916, AI539035, AK022092, and AL157832.
HTOJB02	2418	600376	1 - 1433	15 - 1447	AL048969, BG028665, AV759046, AV762783, AV759851, AU117926, AV714931, BG164166, BG260565, AL046620, BF679169, AA524604, AI038990, AU155227, AV760360, AU119532, AU140392, AV763603, AU147226, BF882222, AV733710, AU145155, AI457152, AU147301, BF882223, AA577824, AL515875, AI054414, BF892846, BF877643, AW975169, AL042906, AI028148, AU146981, AV742485, BF244176, AI791227, AV720115, AV730440, AV732057, AV762975, AI354847, AV730167, AV760502,

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HTOJJ26	2419	821702	1 - 2989	15 - 3003	AU146939, AU121032, H83015, H82797, AA397475, AA224740, AK022101, AB020867, AC005163, AC005211, AC034166, AC034166, and AC034166.
HTOJP25	2420	853623	1 - 1510	15 - 1524	AA565136, AA937357, AA774908, AL040603, BF766732, BE080767, BF891696, BG230925, AL118895, AL133863, AA548059, BF899872, AW893340, BF208493, BE869508, AA804967, BF908629, AW974099, BE072977, AA496279, AW888812, R67785, AW945741, AW902136, AW861926, AW858481, AW861910, AW858449, AA484141, AW858516, AW812631, AL133785, AU119706, BE153697, AU121070, AU118935, BF214805, BF673799, AA077547, AA434354, AW845700, AW845696, BE145695, AA502863, AW973392, BF953515, AW938518, AW861911, AW858480, AW858518, AA604538, BF750582, AA167491, BE142932, AW867830, BE064768, BE064839, BE788398, AA099918, AU116829, AW945790, AA126741, AA130610, AW854788, AW818103, BE393138, AU136567, BF677837, AW806937, AW902129, BG030917, BE562885, AU120388, BF819939, BE142866, BE245834, AW898784, BF813834, BF997232, BE973874, BF928507, BF035187, AW854529, BF985737, BE157028, BF877761, BE142761, AW499607, AW806932, BE080988, AA481622, AC025169, AL049734, AL079333, AC002454, AC002366,

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HTOJS23	2421	737735	1 - 1828	15 - 1842	AW978204, AA731467, AW977908, AA805333, AA972375, AA811932, AL139409, AL356276, AL135978, and AC011500.
HTOJY56	2422	664504	1 - 1881	15 - 1895	AW975814, AI476795, AW081269, BF055546, BE219297, AA128302, AW276914, AA285053, BF108503, AA811755, AA731129, AW513764, AI393745, R71233, R71285, AA095218, AA282765, BF155890, H86248, AW470675, AW968217, BF940381, AA019370, AV750473, AI497888, BF432190, BF089429, AW235943, AA847878, AW194770, BF115312, BF196284, AA259118, AW975819, AF116683, AF061261, and AC025797.
HTOJZ18	2423	844388	1 - 1627	15 - 1641	AA486515, W84744, AI719574, W84799,

					AA676634, T50392, T50392, AA485910, T95864, T95858, AA563732, AL136976, and AC008083.
HTPCG10	2424	746488	1 - 1793	15 - 1807	AL533189, AL533148, AV702567, AA534372, AA813012, AA152068, AW950587, N92601, AA453883, AI056497, AA010469, AA013092, AA683557, AA453798, AI828754, AI523301, AA149822, BE551060, AI183474, T33707, AW072457, AA678846, AI473617, AI246388, AI278162, AI719994, BF911706, AA026104, AA029605, AI346627, AA011600, AI250758, AI128957, AA011667, AA864914, AA860201, AA733057, W94479, AA911467, AI826737, Z45099, BF197850, AV748798, BE763781, Z40837, AI560250, T31933, D78702, W94724, BF445808, AI351575, AA010374, H27072, AA485825, AA703533, BE936130, Z43856, AA907367, W38767, AA485694, C18041, BG009115, AI686146, W31927, AA377178, AA926916, AI351424, AA013091, AA235775, W31722, AA341627, AA094937, BE440229, BF908801, AA329510, AI655922, AI863157, AB023176, AF186779, AF186780, and AL080117.
HTPCO75	2425	853645	1 - 1453	15 - 1467	BF969488, BG109664, BG113966, BF980916, BF970168, BE465437, AA913515, BF667561, N47676, AI984260, AI561226, BE502740, AI016617, BG150307, AW665914, BE081361, BE710057, AA279712, BE220910, AI880662, AI812005, AI223871, AW449123, AA460500, BF184599, N47675, BF243896, AU145432, AA829587, AA931455, T05743, AI685691, BG121044, AA256899, R56024, AA654665, R56025, N51207, BF853453, AI808712, AI765168, BF589254, AW936494, AA910986, BE836669, BF114747, AW377241, AL050136, AK021741, AC002067, and Z92542.
HTPCW21	2426	737839	1 - 1279	15 - 1293	AW600302, AI991013, AC011298, and AC011298.
HTPDD68	2427	590530	1 - 2054	15 - 2068	BE903781, AW604148, AW604144, AW604156, AW604159, BF795838, BE142887, AW503445, BE885477, BE281406, AW604151, BE901079, AW367000, BF839031, AA948067, AW604149, AW993157, BF744791, BF744844, AW847704, BF092653, AA179457, AA504941, AW672834, BF841602, AW847896, AW847702, AW501244, BE898687, BE387364, BE540668, AW367051, BE813981, AW994444, BE897159, BE391639, AW499499, AW847823, AW769245, AW847822, AW847872, AW847691, AW503098, BE181260, BF092091, AW500130, BE081856, AW604157, AU133706, AW500057, BE772678, AW505012, BE543530, BE142870, AA774790, BG178091, BF907447, BE768593,

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HTPDV75	2428	608143	1 - 375	15 - 389	AA489212, AC022221, and AC022221.
HTSER28	2429	846644	1 - 2013	15 - 2027	AI862529, AI763180, AI832290, AW592033, AW380408, AI239517, AI094761, W20115, BE871271, AA678823, AA845362, AW362116, BF346825, AI628678, BE698055, BE280474, BF346889, AW297851, AW502503, H70652, BF840247, AW502666, AW973638, AW193661, AA724347, AA991178, AA554134, AW502776, BF084114, AA356346, AI560494, N90703, AW664501, AA090999, BE159478, AL035703, AB007947, AL035703, AL035703, AL035703, AC025929, AC025929, AL358788, and AL358788.
HTSET62	2430	833692	1 - 1331	15 - 1345	BF570095, BF528104, BF434361, AW974194, AI906320, AI381557, BF434363, BF593480, BE396074, W72347, BF883724, AI400422, W48752, BF109186, AI379860, AI199181, AW974195, AW138185, AA180855, AI884941, AI088403, AI201657, AI375375, W48753, AI971964, W73996, AI500332, AW139547, AI125577, AA488717, AI906309, R54997, R74341, AI360140, AI143714, BF755203, AA046103, AI886964, R69509, AU143883, AA180237, AA486835, BE094462, AI928707, AA045998, R52245, H97902, R74437, BF847427, AI916838, AI621241, R52246, BF851505, H43024, AA573239, AI914620, R70400, R48660, BF851510, AA495770, T88820, BG055906, C00267, R55134, R54924, T91787, BF856620, AA889364, AW078704, BE092980, BE252384, BF826852, AI990876, H43023, AL045500, AI799199, BG112879, AL514047, AI571909, AW590422, BG180996, AL514627, AI580190, AL514935, BE047852, AL514721, AI920968, AL514473, AL513911, BF970731, AL514791, AI583065, AL121270, AW238730, AI269205, AI554427, AL513713, AI613038, BF904258, BE966498, BF038131, AI474107, AI537303, AL514015, AV706185, AW150794, AI538716, AI926790, AL513991, AA640779, AL513907, BG249582, AL513597, AL513553, BF970768, AL514867, BG164371, BF812933, AI536638, BE881131, BG120816, AW983754, BG033199, BF971016, AW104724, BF960601, AL514063, AI687728, BF727091, AL513999, BE874133, AI673256, AW149869, BE964636, AI890833, BG180034, AI468872, AI613270, AL513803, BE781397, AI469532, AV729890, AI630928, BE964741, AL514087, AV706744, AL515413, AI612913, AI815232, BF970449, AL119863, BE966634, BF814453, BF039003, AI648454, BE891101, AL514543, AL513977,

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HTSFV18	2431	609939	1 - 1079	15 - 1093	<p>AL521922, BE883287, AW263093, BF313646, AW138285, AW071991, AL521921, AW770260, AI675221, AI554592, BE314279, AI937646, BF594284, BF898245, AI591042, AA812659, AW514835, BE205834, AI652785, AI160105, AW467594, BF204127, BF726023, AI360371, AW304967, H49760, BG056968, AW058610, AI151118, BE207280, AI198347, AI869732, H21181, AW452721, BE857971, AW628105, AW827074, T56560, R70332, BF431283, H21180, AI698300, AW517976, BF063521, AW615741, T77409, AI352593, AW473902, BE909019, F28930, BF904246, T60890, T60862, AA351797, AW771960, BF311013, AI289791, BF339711, AW409793, AL036780, AA583873, AV704234, AW162189, AI635634, AI421523, AA830358, T49776, BF032040, BG169738, BF970123, AL037602, AI097425, AL037582, AV714721, AV750565, BF984054, AW409813, AV703585, BF035553, BF035653, AA001397, AA766258, AB009462, AC008738, AB009463, AF085860, AK000414, AC012315, X80340, AK025092, AB047878, AF195092, AL117435, AR034821, AL162003, AL080227, AF044323, S69381, AL133619, AL157768, AX040974, AF161413, AR020905, AJ299431,</p>

					AF116609, AK027193, AX030362, AL133049, Z97214, U95739, AL133258, AC008243, and AC008738.
HTSGO13	2432	789723	1 - 1286	15 - 1300	AL520787, AL520786, AV721208, AW964820, BE746056, AV722250, AW043819, AW337976, AI863116, BF305060, AA229789, BE301714, BE047879, W69183, AW082908, W69184, BF875554, BE297463, AA341180, BE174500, R46831, F17698, AA985351, T60694, W92213, AF065216, AK000663, AK000550, AK000814, AF065215, AF121908, AC009877, and AC009877.
HTSGO88	2433	634834	1 - 784	15 - 798	BE796439, AI924251, AW131249, AL048626, BF826830, AV762783, AV700498, AV700545, AW972876, F25135, AU147352, AV700988, AI357778, BF792326, AV699709, AA584482, AW969988, AW079809, AA491960, BG236735, AW630298, BE872393, AA548029, BF806176, AI291124, AW467362, AA610491, BF805094, AW089625, AI927170, AI564185, BF668217, AI243789, AI246796, AV681599, AW467340, BE042475, AW794809, BE869857, BF915839, AI078409, AA523810, AI291268, AI354847, AA386111, AI192631, AI434695, AA176439, BF805092, AV715162, BE677379, AW962035, AW662543, AI284640, AV713243, AA668578, BE387734, AW404653, BF970654, AI302688, AI801591, AA486896, AV763255, AV762111, BF760919, AV763971, AV759274, AV761786, AA595206, AV735370, AL080243, AC002301, AC021016, AL160175, AP001717, AC004166, AC005841, AC005242, AP001748, AL353701, AC004675, AC006211, AC004019, AC005225, AL139100, AP000557, AC008569, AC011477, AF088219, AL162430, AC023490, AC005236, AC005037, AL096791, AC006483, AC007051, AC002996, AL163218, AC010328, AC005081, AB000882, AC027319, AL136305, AC005080, AL442167, AF191069, AL163285, AC020626, AF168787, AL133245, AL049776, AC020917, AC009408, AC007850, AP001720, AC002558, AJ400877, AC004382, AC010422, AC008567, AC011452, AF165926, AC006329, AC004867, AL049874, AL034380, AC005261, AC007316, AC009247, AF001549, AL139327, AC006101, AC002543, AC005102, AC005803, AC022392, AL163279, AL158040, AL021808, AC004089, AC005015, AC011462, AL031591, AC004841, AC007676, AC008267, AP001709, AL353807, AC007207, AP000115, AC006038, AP001728, AL137230, AC016397, AC005052, U95743, AL445687, AJ010770, AC006285, AC011442, AC002470, AC008626, AC002542, AL137787,

					AC007216, AL445483, AP001707, AC007114, AC004816, AC006241, AC005013, AC008770, AL135749, AP001670, U95742, AC017092, AC016995, AL136172, AC008736, AC009600, AC008372, AP001671, AC010271, AP001753, AC000026, AC003665, AC007919, AC005971, AL031588, AC006344, AC006023, AP001732, AP001716, AC008753, AC005920, AC005520, AC006040, AC021037, Z84480, AC006064, AC004106, AL033529, AC004832, AC018642, AC002350, AL031295, AC009086, AL109654, AC020599, AC007225, AC005324, AL050335, AX039602, AL022319, AP000555, AF243527, AP001711, AC005874, AF134471, AC018758, AL133500, AC002994, AL354680, Z99716, D87675, AL035072, AC007751, AC008413, AL158830, AC016830, AC011495, AC004854, AC006120, AL132825, AC005914, AC025430, AL031662, AC005237, AC007686, AL022165, AL138876, AC004167, AB003151, AL118520, AL137139, AL121601, AL121658, AC008688, AC004519, AC011473, AL365505, AP001714, AC000353, AC005527, AC007546, AF030453, AC004491, AC008738, AC006457, AC011811, AC006334, AL022336, AC004859, AL121781, AL138713, AF196969, AC020908, AC008733, AL031772, AC012351, AL079342, AL050341, AC005409, U85195, AC005940, AC004967, AL109758, AF053356, AC005837, AC006111, AC020552, AC008102, AL135744, AC084732, AL021154, AC012309, AC005088, AC009506, AC008551, AL135901, AC005005, AC005997, AC002059, AC005632, AC026239, AL035404, AL024508, AC004965, AC004383, AC005098, Z83826, AE000658, AP001718, AC005041, AJ229041, AL031228, AC022148, AC007371, AC011465, AC022335, AC025593, AL355392, AF134726, AL008718, AL354720, AL139396, AC006544, AL158198, AL022721, AC006512, AC006512, AC006512, AL162734, AL162734, AL162734, AC044819, AC044819, AC069199, AC069199, and AC069199.
HTTAH05	2434	772560	1 - 1036	15 - 1050	AA301254, AA278250, AC005696, AC073539, AC004026, AJ400877, AC005736, AL353807, AC004859, AC004821, AL109976, AC005082, and AL117336.
HTTAP37	2435	738417	1 - 1026	15 - 1040	BG114471, BF215431, AI889959, AI033416, AI094356, AW613654, AI028743, AA928014, H71406, AA300735, AA866115, BF382622, AW183009, AW367373, BG114478, AA906261, AA170838, BE565157, AU117020, AL138759, AK021443,

					AL138759, AL138759, AL138759, AL157835, and AL157835.
HTTBJ38	2436	863131	1 - 2350	15 - 2364	AL040793, BF212606, AI690694, BF668584, AI686729, AW772348, AA037130, D60079, AI561122, AA804265, AI271547, AA732090, AA836462, AI708828, AA506917, BE566297, N31290, AW971136, BF223550, AA252731, W04319, AA513198, Z25893, D60078, AV698924, AI479592, H41838, H44472, BF828011, H44437, BF828008, AI219242, AI253650, AW902885, AA746924, BF752694, BE468249, BF081196, AL157791, and AL049875.
HTTDB11	2437	638132	1 - 510	15 - 524	AV713058, AV711057, AV757361, BF674711, BF210996, BF669128, AV757378, BF696234, BF680185, BF213305, AV710011, AV762503, BF218454, AV713275, BF691890, BE879648, BF183967, BG107781, BF030931, BF678909, AV759741, BF694021, BF130488, BE737825, BE621230, AV718240, AV760906, AV763825, BF700252, AV763884, BE737936, BF131417, BE382909, AI300970, BF031789, BF311954, BF680987, BF687564, AW960477, AA420705, AV726000, BF030137, AV709855, BF977186, BF130245, AA037138, AV704641, W94387, AV760026, AV761431, AA452935, AI026827, AA759123, BF031280, AV712102, C04111, BF245092, AA740214, AV710192, AW975037, AA603736, AA420792, W73362, AI539708, AV741927, AV742177, BF216941, BF218346, BF664667, BF541889, BF681662, W42897, BE910259, BE278568, BE974089, AA927443, AI991267, AI289859, AA410851, N90296, AI302653, W42782, AA420645, AA452799, BF217502, AI498780, AA620329, W52206, AA446091, AV744122, AA229780, AI992006, BF213791, BF211019, N51380, AA608942, BF383058, AA528149, BF697310, AA829732, AW005091, AA639010, BF212304, AA528006, AA046403, AV744172, AI719412, F27713, AI832566, AI879454, BF212587, AI079172, BF217456, AI719040, BF217578, BE866578, AI721051, AI720811, AA603301, F24742, AA709301, BF675305, BF218610, BF216693, AA429738, AA829633, AI934774, AI749007, W73439, AI150531, BF679059, AI222693, F33771, W69436, AI369771, AA309812, AI750176, AA364333, C00224, AA476247, AA657753, AW262376, N78067, AA157755, BF246123, BE738431, W69519, BF594150, BE711191, AA772256, AA572852, AA572802, AA229884, AA082024, BE877942, BF342720, F36902, AA345517, AA320420, BF508322, AA360275, AA095867, AA157654, W19481, AA069722, AW316917, BF571307, BE738250, R98994, AA429737, R99772, AI266491, AW009135, AA328453, AA334344, AI078684, AW849461, BF382308,

					C15307, AA476246, AI720896, F34280, F24364, F22620, AA329110, AA357693, AA357694, AI582016, AW004601, AA373163, AI161388, AA345323, AI282436, AA302329, AA303658, AI536547, AA429736, BE711132, AA328346, AA662506, AA429870, BE711285, BE711138, BE711188, AA354870, AI564365, AA339886, AA904086, AA653807, AW054913, AA329071, AI932671, BF676612, AI440390, AA082067, AW873249, BE711288, N84114, AA770441, AA304282, AV737978, BE769082, R57949, BE901218, AI335622, AI709037, AA779475, F23508, AI253635, AI689490, AA365340, F35297, AI708333, AA876073, AI535770, AA089472, AW751010, BF217408, AW806746, AW605798, BF349020, AW605578, F29801, AA292073, AA127917, T77775, AI990522, BG057106, AV752827, AI002956, AI049447, AX033851, A84916, A62298, AX047063, AJ302649, AX047062, Y17188, AX047064, A62300, X67155, AR070327, AR025207, AX020191, A67220, D89785, AX027925, A78862, AJ132110, AX020190, D34614, D26022, D88547, AX021518, AX035434, A25909, AX015396, AF260572, AB012117, AJ287395, AF135125, A85477, A85396, AR074141, AR066482, I19525, A44171, A86792, AR088705, AX042372, X93549, AB033111, AX035429, AX035428, AX035426, AR064240, AB037923, AR092424, and Z32749.
HTTDG27	2438	608318	1 - 697	15 - 711	H88658, H88703, and AF086022.
HTTDN24	2439	766485	1 - 1978	15 - 1992	AL513751, BG035744, BE792734, BE535814, AI968100, AI638191, AI962526, AW590203, AW593447, AW590212, BE541446, BE220296, AA205663, BE564856, BF769037, AI968771, AI632511, AW250856, AA205775, AA205709, BF843264, AA773929, N53214, AA486579, N30623, AI655137, AW014522, BE564422, AI742717, BF028977, BE672098, AA777617, AI146844, AW577576, AI159827, AA563660, BF027920, AI637620, AI078792, AI990191, BF062933, BF062045, AW044164, BF770158, AA256059, N32225, BF769030, BF769032, BF445417, AA486679, AW959397, W22630, AA554325, R59984, AW006249, AW236554, AW577601, AA765281, AI653704, AI206329, R67166, AW243537, AA205674, H00645, T16860, AA256068, N57321, H00733, N41868, T16861, AI149479, AI906144, N59086, BF926652, AA909318, AW594490, AA299517, N58615, AA641283, AA644247, AW236428, AI820831, BG009693, BF851615, AA743510, Z42234, AA834460, AA548119, AI672532, F07004, Z40114, F01762, AA301407, BF085945, BF931293, AA205611, AI638784, BF085928, AA983380, BF059602, AW192770, BE714630, AA205702,

					AI078796, AF310106, AK000784, AK025952, AF298547, and AK026387.
HTTDO33	2440	899418	1 - 1147	15 - 1161	AL530721, AL535616, AL535119, AL535118, AL519666, AL527421, BE616833, AI143875, BE531183, BE733522, AI936768, BF338122, BE791841, BE279508, BG166378, AL514911, BG028440, BE548506, BE884261, AL519667, BF316834, AW383962, AI356580, AI923443, AL530722, BE885582, BG028236, BE538131, BF967004, AA430386, BE787814, AA652668, AI445933, AW966111, AI623391, AI091508, AI016436, AW328667, AA843275, BG235946, BF526124, AI127186, W30776, AI343882, H59109, AA749379, AI075102, AL514912, BE018163, AW009389, AI343898, AA975241, BE562991, AA421159, AW796725, AA489517, AA557505, AV721687, W52668, BE839013, R81293, W31318, AI420624, AW996278, H78414, AW162266, BF337914, N41774, N94429, H45798, N71146, AI074236, H59149, BF920577, AA514243, BF094301, AW516923, BF526680, BE182231, AA340697, BF970815, R13786, BE147956, BE743124, AI634953, BE174918, AA568565, AA680312, R82993, R48834, BF348259, BF527275, N92435, R53178, BE148038, BE855808, H65279, AA352634, AW517144, T85430, AA429288, H65278, AA397847, AW517152, W15647, AA333932, AA477374, AA436429, AA284614, AI097033, BF589632, AA085871, AW291918, R24417, BE834416, AW591712, AI934851, AA806434, T58603, AI459882, BE349544, AI635843, BE674988, AW003379, AW770382, AA411549, BE269328, T83974, BG011177, BF448228, AW071157, AA838218, AA039332, AI720049, AA405255, AW172820, AI929800, AA592907, AA464673, AW044578, BE925426, AA041417, W52667, AA761016, C05210, AW770463, AW513137, AA588835, AA612964, AW513522, BF115287, AI346987, AI744978, AI808213, AA489518, AW190970, D56146, BE834467, T50155, BG056404, AW996589, H72570, AW673233, AI815068, AW152092, AW050747, AI950068, AW301144, AA483524, T81890, AA678902, BE465583, BE834085, AV687942, AA659795, AA448899, AA081295, AI816986, AA287506, AI380091, AA708347, BE350556, AI160804, AI024256, AA931271, W74217, AA290806, AA935040, BE328782, F25719, AA287210, AA081185, BF365442, AL527460, AI278531, AA041377, AA284883, N84553, F35772, Z44613, AA079066, AA825323, R27171, T58548, N70036, AI074208, AA287368, AA385487, AI817348, AA126677, T12480, AA129242, C05561, BE720127, AA464570, AA653509, R89302, AA427865, AA129279, AA746044,

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HTTDT67	2441	801964	1 - 1241	15 - 1255	BF966800, BE173404, AI638714, AW575488, AW665491, BG257365, BF057478, AW170540, BF026211, AU154792, AI797068, BF672396, AW194923, BE501241, AA496986, N31722, AI336019, AI581897, AA225593, AI376201, AA937947, AI693745, BE795802, AI375035, AW206448, BE328178, AI678171, BF907882, AI095855, AI468546, BF841848, AW515128, AI224052, AA347155, AW162778, AI873215, AA768289, AA806769, AI802174, AI018398, AW304413, AI201154, AI913367, AW162672, BG180392, H69303, N42377, AA490583, AA936076, AW274277, AA134571, AI910405, AI985528, BF829632, T12406, H69398, F11295, AL117584, AK001767, AL356481, and AL356481.
HTTEO25	2442	853403	1 - 2190	15 - 2204	AI669756, AA702169, BF794976, AU155294, AA947849, AU143942, AV702646, AA913810, AA737430, AA931842, AU154167, BE871457, AV751516, AA669086, AU153108, AA173975, AA431364, AI623361, AA745248, AI204549, AI805982, BF818112, N67791, AA190986, AI184666, AI076306, AI240113, AA703012, AA767028, AW087157, AA868048, AI806117, AA001972, AI818391, BF055207, AW592029, AA934888, AW867723, AA740649, N32967, AW673963, AA001343, AA989496, AA236357, N48877, AI685382, AI459762, AI052806, AA862000, AA234225, H98033, AW167497, BF132601, AI510782, AW969397, AA854051, AI189887, AW130474, R61271, N58758, AI420226, AI174620, H69605, H97407, AA494425, H96760, AA782147, AW973669, H96227, AA854088, BF438847, R76064, AI128608, H28431, AI217794, AA778850, AA559020, H30903, AW265733, BF185822, AA432362, BF670935, W03624, AW362595, AW362589, AU150088, AA507052, BF670942, T65030, F09582, BE041509, N45632, H39910, R75888, BF988573, BE464828, AW238968, AK023168, AX013714, AB014578, and AC020632.
HTTEP11	2443	562023	1 - 1395	15 - 1409	BE044041, AW971918, AI553943, AW468846, AA683145, AI683958, AA836652, BF056790, AW292966, AI913117, AA836632, AI825278, AA767837, AA835733, AW050512, AW805886, AW021355,

					AI950241, AL137700, and AC023886.
HTTES77	2444	844417	1 - 2375	15 - 2389	AV752421, AA442553, AI222368, BE171732, AI219902, AA971562, AI613312, AW837026, AI076120, BE169779, AL079598, AI222369, AI613348, AA789256, AI217795, H63908, AA992729, AA780028, H52060, AL079599, H72239, AI355315, BE168611, AI222394, H83236, BE168574, H83003, AV749757, AA573226, BF061190, BE710148, BE710135, W05184, AA678334, H63508, AI264941, H71675, BE170952, H66025, AA301322, R43214, AW952896, R17121, AA342392, BE174647, BE163788, AW607684, N75971, BE162242, H66024, N57992, AW837049, BE708001, AV727120, AA054850, BE707906, Y10523, AB002362, AF034198, and AL137369.
HTTFD29	2445	853404	1 - 1324	15 - 1338	AC019110, and AC074392.
HTTFG15	2446	600377	1 - 1067	15 - 1081	AI016355, BE748681, BF115344, AA235007, AI952739, AU156046, AA292833, AI972435, AI094184, BF062336, AW291444, BE466918, AA398772, AA030055, AI669911, AI755137, Z98502, BE966735, BE622748, AI422723, AI765946, AI692372, AI700617, AI202049, AA433885, AI399755, AI204376, R24584, H06388, AI370419, R15227, AA028919, Z45885, BE748001, AW611628, BF083453, W01784, BF435356, Z98501, AA236266, BE927589, AW937038, AA434564, AL038099, AW937042, BG055244, R25008, AW897936, BE879668, AA834633, BE382371, BF967330, AW818549, BF872728, BE644907, AA457520, AW818551, AK001853, AC000073, AC000085, AC078854, AB045357, AF003528, AC006222, Z69908, AL136092, AC006231, AL034399, AP000096, AP002532, AC004822, AL132671, AC034194, AP000240, AL049861, AL049834, AC026204, AP001684, AL360227, AC024600, AC012049, AC016254, AP001705, AC005701, AL160176, AL353667, AC007099, AL049798, AL021026, AC011890, AL035562, AL354811, AC007539, AL445490, AC007676, AC008279, AL034369, AC004057, AC004791, AC005199, AC006019, AL050333, AL356962, AC008372, U96409, AC006145, AC008664, AL161804, AL132827, AL132855, AL356022, AF241727, AC018797, AL121986, AL137191, AC006516, AL389883, AL157938, AF224669, AL035411, AL031000, and AL135926.
HTWAM19	2447	618318	1 - 1863	15 - 1877	BF378746, AW979191, BE062478, AV762633, AW265688, AL042667, AL042670, AL037856, BF805088, AI679002, AA720732, BE156532, AA557911, BF965775, AW833901, BG236628, BF681619, AI797998, AW505253, BE062545, AW970877, AA856961, AA610509, BF917346, AI753904, BF436273, T09219, AW957154, AI696878,

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					AC006080, AP001567, AP001567, and AP001567.
HTWBF58	2448	747706	1 - 1338	15 - 1352	BE177364, BF028245, AW798985, BF211148, BF208569, BF673866, BG259980, BE714535, AW798936, BF980362, AA758151, BE177404, BF812852, AI084648, AW069510, BF667616, BG223397, AW795505, AA601125, BF945606, BF874758, AA722039, AI889566, AI298061, BF965259, AL038498, BF726747, BF813686, AL133909, AI205010, BF857083, BF792316, AW939065, BE092200, BF931462, BE072376, AA584733, BF030591, BE092116, AL046549, AV702817, AW104793, BF854223, BE439876, BF678990, AL120083, BF986433, BF825540, AI524360, T41374, AW963750, AV703259, AI499301, BF916526, AW303196, BF725029, BE155414, AW238092, C18550, AI247199, BE077301, AA191659, AI002744, AI254980, AW854410, AV755654, AL537797, BF680286, AL044340, AV733830, AI436601, AW301350, AW961160, BF853276, AV654705, AW440215, AV759632, AW274772, AL048135, BF874773, AA912287, AA601202, AI873990, AL042853, R61498, AW971114, AV734120, BE902217, AV704541, AA663512, BG152927, BF904472, BF347791, BF974349, AW854498, BF342223, AF304447, AF275945, AC005254, AL035413, AC006512, AC004531, AL121890, AC037193, AL391260, AL357992, AL137784, AC008482, AC004491, AC009481, AC004841, AL035404, AC006012, AC005881, AP002898, AL031283, AC002350, AC020610, AC004019, AC008372, AC007242, AL049779, AL139109, AC005251, AL157938, AC066583, AC008041, Z98036, AC010748, AC005484, AL050348, D84394, AC005052, AC004967, AC010201, AF205588, AC007969, AC010605, AL137067, AC004895, AC006115, AC008403, AC005323, AL357752, AJ010770, AL136443, AL121871, AC011510, AC004158, AC007954, AP001717, AL355382, AC004813, AF001548, AC007619, AL035417, AC010150, AL031667, AL118520, AL117667, AC025765, AL035407, AL161666, AL117694, AC002089, AC008685, AL121658, AC002078, AC004887, AC002477, AL133282, AC009087, AL050311, AC006487, AC022027, AC005737, AL132773, AC002492, AL121747, AL353659, AC008042, AF055066, AL121578, AC022201, AL050335, AC000353, AC003957, AL136981, U47924, AP001870, AC012312, AC008265, AC007199, AC005962, AC004966, AL365505, AC005231, AC010083, AC020934, AC007782, AL354720, AL031664, AL157688, AC005043.

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HTWBO30	2449	655371	1 - 759	15 - 773	AA765129, AC013608, AC013608, AF235095, AF235095, AF235095, AP001574, and AP001574.
HTWBZ57	2450	828030	1 - 1653	15 - 1667	AL526540, AL532214, AL530769, AL526361, AL530770, AI038407, AL535007, BE737062, AI990446, BE736620, AI817294, BE736053, AI813752, BE674610, BF206639, AI887489, AW242426, BE904233, AW967040, AW188622, AV724936, BE169551, BE736681, BE787662, AA534945, BE539341, AI697490, AI970622, AW957112, BE393703, BE779956, AI826969, AI040380, AW512975, AI040037, AA779071, AA707247, BE787595, AW770455, BE695527, AI144222, AL535006, BE695442, AA749283, AL534456, AW019955, AI085178, AW022748, AI219163, AW192223, AI248630, BF110235, AA861436, AI206049, AI082771, AI038933, N24045, AA314458, AA452873, AI418455, AL534457, AV712871, H48028, BF724656, BF154707, AI095331, AI246185, AW572089, AA428132, AA428087, AA442266, W51755, AA281896, W06990, AW955681, N20861, AV712274, H80671, BE832400, H81664,

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HTWCC10	2451	747687	1 - 1227	15 - 1241	R97267, R97030, AI061294, AA490845, AA632711, BF876324, AC002565, AC002470, AL122023, AC009516, AL359382, AC007688, AF131215, AC004231, AL117337, AF205588, AC018751, AP001753, AC009087, Z84484, AC009194, AC025470, AC005722, Z93017, AC018764, AC008733, AC004031, AL049569, AL031276, AL121906, AL118520, AL109797, AL033397, AL080314, AC007425, AC005088, AC003681, AC005049, AL031727, AL035494, AC021868, AL034420, AC018738, AC005577, AC008395, AC008372, AL022165, AP001670, AC019209, AC010618, AF134726, AC005519, AC004782, AC007284, AL008725, AC005815, AF224669, AL356748, AP001713, AC002302, Z92846, AC010358, AC006360, AC023511, AC008551, AC004382, AC004965, AF111168, AL161445, AC005249, AL035404, AC004847, AC007365, AC016397, AC083864, AP001760, AC011290, AC007225, AC006285, and U47924.
HTWCE14	2452	762839	1 - 1040	15 - 1054	BE621444, BG119409, BE621686, BF316579, BE267101, BE266139, AI369695, AI697690, AA557161, AW770378, BE208026, BG222463, AI206932, AI334278, AI830165, AW248509, AA027833, AI400954, AI469528, AI421560, AW194022, AI760695, AA760826, AW130878, AI249786, BG027713, AA171518, H05814, AA357204, AA027876, AI871059, BE746884, AA731891, AI208277, AA649957, AI694290, AW474641, AW474699, AI475699, AA350549, AW517662, AW957287, AA350548, AA676464, AI928706, AA352387, AA693347, AW005167, AW247418, BE728351,

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					AL137662, U95738, AK000568, and AF038191.
HTWCT76	2453	767758	1 - 1546	15 - 1560	AV764259, AV656063, AI345695, BF974756, BF801143, AA829044, AA644090, AI962030, AI863046, AA515048, AV709871, AI583466, AV762033, AI306232, BF854308, AA779783, AW958962, AA526326, AV755654, AW148507, AW471332, BF891585, BF832074, AI580707, AV764535, AW965058, AV764334, AV762633, AI434197, AA463590, AW189068, AW502237, AA225406, AA502991, AI251576, AV656851, AA833896, AA833875, AV711711, AL038606, AW272294, AA128511, AV713072, AA707849, T05834, BE044774, AV760014, BF852924, AW970940, AV711987, AW166611, AV738285, AW855730, AI933714, AA714011, AI254779, AA679937, BF915799, AW855736, AI254913, AI570943, AA714110, AV759559, AA581247, AI925579, AV695478, AW855803, AV762242, AA653139, AI688837, AA452887, N57681, AW975095, AA526625, AW130446, AA601356, AV763457, AV756491, AC005522, AL162424, AC007172, AC006449, Z85986, AC005512, Z97054, AL049795, AL021707, AC012384, AL033529, AC002395, AF241726, AC008119, AC004955, AC005305, AC009955, AL080243, AX033912, AD000813, AL138919, AX033911, Z83840, AC005235, AF155238, AC007649, AC010643, AC005247, AL133294, AC007036, AC010150, AC004097, AC009470, AF222856, AF042484, AC007056, AC005052, AF222854, Z93023, AF222855, AL356057, AF168787, AC023105, AC004686, AC018758, AC005479, AC078843, AC083866, AF117829, AC003967, AL133244, AC011514, AC005914, AL445248, AC011482, AL021154, U91326, AL121897, AC024085, AC005955, AL021807, AL138836, AC018719, AL122023, AL161422, AP000299, AL138741, AP000104, AC004099, AC011462, AL031295, AC004595, AL445483, AC007160, AL035683, AL049776, AF069291, AL121905, AC006468, AL022165, AL109627, AC009154, U50537, AC008636, AC011489, AL121891, AC024075, AC011811, AL079342, AC002067, AP000113, AP000045, Z97985, AC006345, AP000497, AL160175, AK024160, AP000270, AX039602, AL035400, AC005220, AC009600, AC006023, AC007551, AL139343, AC020906, AC005626, AC006441, AC005796, AC009194, AC010605, AC007385, Z81364, AC002116, AL050318, Z84466, AC004824, AL139188, AJ400877, AL136300, AL162584, AC004922, AC005409, AC003969, AL161670,

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HTWDJ17	2454	784037	1 - 1376	15 - 1390	AV686983, AV646121, AW961968, AV646138, AA424670, BF700169, AV659105, AA004250, AV660261, AV658479, H72674, AV658573, AV660130, AV660299, R00934, AV683433, AW501010, AW501128, AV646353, AV646230, T08315, T77004, AW796868, AW976358, AI538436, AV707357, F13040, F12949, AA699932, AA761228, AI807087, AA766036, BE549529, W27156, AA761066, T75185, AI866469, BG110517, BG029667, BF061529, AI433157, AI554821, BG252929, AW151136, AI539771, BE897632, AI537677, AI494201, AI500659, AI815232, AI801325, AI500523, AI582932, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, AW151138, AI521560, AI889189, AI500662, AW172723, AI284509, AI889168, AI440263, AI866573, AI633493, AI434256, AI805769, AI434242, AI888661, AI284513, AI888118, AI859991, AI436429, AI889147, AI371228, AI440252, AI866786, AI860003, AI610557, AI242736, AI887499, BF812963, AW858243, AI538850, BE885490, BF812936, BG257535, BF338002, AL045500, BF795712, BE886728, BG260144, AI890907, AI539800, BE965355, AI866465, AV743631, AI538885, BF910810, BF812438, AI371251,

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HTWDM89	2455	569787	1 - 1458	15 - 1472	AI358384, T06598, AW965008, AC016627, AB002353, Z97832, AL022302, AL117333, AC007225, AL121895, AC005082, Z98941, AC005332, D83253, AC018663, AL121903, AL049589, AL050335, AC011450, AF196779, AL158830, AL031681, AP000501, AC005821, AC009086, AC006345, AF196972, AC009032, AC004167, AL021407, AC011475, AL353804, Z94056, AC007637, AL163281, AP001628, AC008760, AC005049, AL109839, AP001754, AF228703, AL132826, AC009060, AC003982, AL139100, AC000353, AP001717, AL078477, AL136137, AL158040, AL035086, AF053356, AL135960, AJ131016, Z95152, AC000004, AP001747, Z98036, AC003007, AC018644, AC005052, AC008736, AL355476, AC005484, AJ400877, AL049697, AC005015, AP000510, AC007687,

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HTWEA05	2456	844386	1 - 879	15 - 893	AW878238, AW827205, AL045891, AL138455, BF337291, AV756220, AL514075, AW858522, AL042753, AV760019, BF923684, AI064787, AA521299, AV760466, AV682853, AV698043, AL042898, AL043089, AV733824, AL046356, AL135012, AL043321, AL047163, AV762645, BF347269, AW963250, AL042488, AL041862, AL514791, BF342223, BF816035, AW021195, BE906410, BF990285, AA577696, BE904906, BF996894, AL045327, AL513991, AL047611, AL513979, AL514627, BE965169, AL043052, AL514357, AI440133, AL042515, AL134524, AV681613, AI432644, AL513817, AL040207, AI431307, AL040459, AI636719, BE252421, AL047092, BE966577, BF970536, AL035847, BF968622, AA598742, AL045328, AL043091, AW080565, AL514691, AI431316, BE070818, AL047675, AL079977, BF868994, AL514219, BG106270, AL514449, AL513693, AL514415, AL042853, AA760655, AL042538, AL040038, AI432666, AL047037, AW967257, BF527274, BG180622, AL515293, AL514511, AL042745, AL514983, BE966547, BG256324, AL119748, AL042729, BE893169, AV662292, AL514487, BE047915, BG251851, AV733431, AW858243, AL037683, AL042787, AI285419, AL043196, AW959837, BG110517, BG113493, BG029667, AV729953, BG033220, BF828567, BG181066, AI433157, AI648567, AI690946, BG252929, AW151136, AI539771, BE897632, BF925370, AI537677, AI494201, BF797072, AL043239, AI500659, BE883591, AI866465, AI815232, AI801325, AI500523, AI538850, BE885490, AI887775, AI582932, AI284517, AI923989, AI872423, AI590043, AI500706, AI491776, AI445237, BF965904, AW151138, AI521560, AI889189, AI500662, AW172723, AI539800, AI582912, AC007172, AC002542, AL121601, AC004837, AC021068, AL033521, AC021019, AL358133, AC020923, AL355103, AL034422, AC002394, AC011484, AL353807, AL109753, AC004594, AC022402, AC007114, AC006313, AC002287, and AC002457.
HTWEG06	2457	762856	1 - 1052	15 - 1066	AA856945, BG110768, AI803741, AF075680, AA810477, AI923265, AA340226, AA102707, BF800649, BF678590, AI890324, AI559720, AC006111, AL391724, Z83844, AL050335,

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HTWEQ36	2458	823369	1 - 1422	15 - 1436	BE740976, BF688976, BE388462, AL515860, BE618810, AI144183, BE619718, BE743638,

					AI753326, AI123548, AW148675, AI762763, AW665598, AI991105, BE246225, AW151784, AA632384, BF970549, AA687754, AI360286, AW731898, AI281497, BE206192, AA662315, AW173365, AI304830, AI581361, AA653146, BE409628, AI093405, AA837430, AA989346, AW129580, AW079976, AW589241, AA888131, F24031, AA765564, AA161018, AA197309, AA149756, AI554179, AI439376, BE963919, BE243366, AA826614, AA088666, AA552595, AA191165, AA993464, AW901000, AW241223, AW519257, W92934, AW473246, BG152577, AA132941, AA768562, AA160619, AA976014, AI346746, AI538906, AA132715, AI640891, H22143, AA135107, W92935, R48285, BE545547, AA677271, BF316389, R74055, T65148, Z28491, R43359, F02594, D53802, AA743537, BF805352, Z41473, AA831142, AA524214, F09495, AI872452, AA827021, F36480, BF213155, AA975550, AI671936, AA366296, AA992018, AA652934, BF837632, AA585480, BF342033, AI133151, BE255649, C00346, BE707838, AI908756, AC000394, AF072711, AK000194, AY007123, AK024510, AF133124, AL162417, AC000394, AC000394, and AC000394.
HTWFA21	2459	824551	1 - 670	15 - 684	AA905353, AI093811, D60081, D60080, AA035076, AA035493, D81399, AA771809, AL162385, and AL162385.
HTWFA88	2460	596942	1 - 1837	15 - 1851	BF035327, AL038785, AW972871, BF684828, AW088202, AV720371, AA522942, BG029216, AI570261, AI679782, AW977134, AA523815, AV763777, AI625244, AI368745, AW162049, AI929531, AI339850, AW969698, AW969694, AW029038, AI962050, AA496260, AV729947, AV728632, AA837084, AV719311, AW088616, AI251436, AV728309, AV719316, AV710306, AI918421, AI567674, AA482711, BE389903, AA713815, AI251002, AU148742, AU145462, AA582911, BE787738, AA768905, AW166815, AI049722, BF677892, AA634146, AI133636, AW440836, AI890923, AA504871, AW104748, AI917271, AV752696, BE390977, AA488573, BE277602, AW080134, AA826303, AI499938, AI469003, AW079659, AA111909, AA873560, C06458, AA729721, AA767376, AL120674, C06327, AI608626, C05755, AI805607, AW075511, AV734666, AV760777, BG254180, H78195, AA644207, U51696, BF819858, AA550758, AL046409, AI284640, AV763354, BE744242, BF675718, AI431303, AI904894, AI064864, AA312845, BF211188, N22018, AV760937, AV762098, AL119391, AV762139, AA132833, AA483068, AV761056,

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HTWFM85	2461	844677	1 - 1679	15 - 1693	AL530147, C75513, AI796284, AA425431, Z42827, AA973025, C75646, H92159, AI017480, AA164842, BE004359, AA151143, AA047527, BF734980, AA114885, N50209, AI623294, AI341910, BE720812, N32573, N32594, AB046820, AC005881, AC005881,

HTWFO43	2462	858741	1 - 1284	15 - 1298	and AL137025. BF792326, AF074667, AV700988, AV700498, BE796439, AV756726, BG164166, AV762783, BG260565, AV733710, AL040921, AV759172, AV762145, AV700545, AV764490, AL135377, AV710705, AW965008, BF339640, AV699709, AV762693, AW600804, AV734607, AV763135, AL138265, AI076616, AW820787, BE071877, AW406162, AI924251, AU118745, BE071876, AW088224, AU117456, AV714931, AV760723, AV760599, BE908796, AV704375, BG250302, AA604395, BF828714, AW820795, BE387734, BG032943, BE538259, AV759356, BF826830, BF915799, AV761286, BG177715, AW820127, AW406447, BF968610, BF906248, AV731286, AI963600, AA836811, AV729960, AU159301, AI567674, AA631507, AW968187, AV759362, AV762900, AV762902, BF906239, AL121235, BF913258, AV759711, AV760364, BE740358, AV763174, AV700663, AV762022, AI016704, AI038990, AV759683, AA515829, AW245747, AW969988, AV701844, AV704740, AV759686, AW961994, AV762779, AV762001, AV761309, AV759684, AL120343, AW243793, AA908687, AA837740, AV701613, AW953071, BE969647, BF805173, BE541237, AU146953, AV764388, AW079792, BF965406, BF965477, AA502104, BF337291, AU121297, AV764389, AV699393, AV762781, AV759682, AV763683, AV759685, AV762395, AV763154, AA722372, AU156861, AW474168, AL120483, AL038705, AV764387, AV763892, BF213459, AI204304, BF736198, AV763608, AC005280, AL357153, AC008372, AC004019, AC008569, AL034372, AL121897, AC004675, AC004638, AC000052, AL158830, AP001725, AL049759, AP001666, AF088219, AC002350, AC008519, AC018751, AC003007, AC005971, AJ009611, AC005696, AC005632, AL354720, AC009516, AC005722, AL117352, AC005324, AC004971, AL353807, AC000025, AP001731, AL035587, AP000046, AL159977, AP001760, AJ295844, AL109804, AP000114, AC008543, AC007227, AF001549, AC005527, AL135927, AL163249, AC005520, U80017, AC006449, AC004796, AL355385, AC027689, AC008155, AC007216, AC010739, AC005412, AC005180, AC006195, AL096840, AL023575, AP000553, Z82244, AC005839, AC009247, AC006285, AL035422, AL133215, AC027644, AC005288,
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HTWLG39	2463	853406	1 - 490	15 - 504	AA813011, AI091612, AI204546, AI560743, AI418276, AA858118, AI560812, AI992293, AA522719, AW130435, AA402002, AW051814, AI291876, AI362691, AA905625, AW020847, AI356940, AW008254,

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HTXAA20	2464	821342	1 - 747	15 - 761	<p>AV730383, AV732734, AV731010, AW139425, BF807866, AI590899, AI199332, BF858888, AI343963, AI040225, AV730097, AA947175, AA640032, BG230657, BE247164, AK024449, AC016823, and AC016823.</p>
HTXAD75	2465	745410	1 - 1910	15 - 1924	<p>AA634116, BF570310, BF793193, BG257515, AU134921, BF980040, AW194709, AI983851, BG250091, AI064728, BE889585, AW071012, AI660958, AU123297, AI766131, BG249846, AW148839, AL040880, AV707299, BE671248, BG251065, BE893272, AW469227, AI982831, BE882137, AL537034, AW338696, BE878531, BE081362, AI042399, AI583975, BE327675, AI096908, AW305017, BE219767, AW612867, AA665917, AW363287, AA522903, AI696887, AI050865, AI587311, BF240570, AW363286, AW769190, AA523283, AA582781, AA494509, BF448151, AW363297, AI005382, BE698583, AW363298, AV709045, AW129288, AW237848, AW131711,</p>

					<p>BF939460, BF351450, AW590749, AW190991, AA563896, AW363278, AW363290, AW374132, AW513093, BF572301, BF216042, AW078702, AU154337, AA633098, AI678882, AA983260, AI623366, AA872788, AI183629, AI129791, BF030649, AA836948, AW008817, AW517993, BF433652, BF667783, AW239528, AI192887, AA487970, AA970798, BE502093, AI587536, AA102454, N57489, AA043263, BF246636, AA977904, BF593235, AV725022, AA155612, AW316964, AW170327, AW950029, AI445245, AI189089, AA603286, BF433643, AW273766, AI168534, AI744547, AW339027, AI354742, AU150339, AA724163, AI692612, AA962012, BF594651, AI354743, AI955531, BE439411, AI707977, W52119, BF572649, BF440046, AA125892, N75252, AW250965, AA146599, AA847445, N58837, W37586, W39332, AW191016, AA487819, AI921182, N29228, W63799, AW089771, AA131636, AI635094, AI769687, AA968495, BE000945, AI160953, W42875, BF448699, AA992033, N52953, AI751412, AA041207, AA226668, AI334598, AI273080, BG118888, AI681816, AW005589, AA557710, AA125891, AI634026, AA137112, F08088, T59704, AA862232, BE856165, AW992584, W42939, BE175814, N50141, AA137003, BE763173, BE241800, AW779308, W37461, AA137030, AW134572, AI587433, N49080, AW518458, BE938814, AI765373, AA225057, AA025585, AA112008, BE001081, BF879612, BE156363, F04325, R77217, AW263897, AI476767, H64546, BE698074, AI801684, BE001762, BF216620, BF922676, AW510569, R77216, H97581, AA040753, BE001874, AI522014, AI985798, R54502, AA522871, F13336, AA083727, BG163467, AI950665, AI469785, R39609, AA584935, AI355766, AW023663, T78816, BE814685, AA114916, AA780920, AA158376, F13337, F10932, D25892, AW085745, BF815310, AW380152, AA581970, R14160, AI564130, AI928248, BG119830, AW361788, AA026947, AA136892, AW576773, H64977, AW801938, R44942, T27830, BE882921, AW747841, AI672161, R56033, BE149521, T56465, AW363296, H64646, C21384, AI089162, AA303992, AU141061, R54403, AA569174, BE000830, AR020616, AF261089, M23254, AF284441, U71320, D38117, AF015038, L09120, Y10139, AK023851, AR018788, U07850, AC021798, and AC021798.</p>
HTXAR92	2466	656935	1 - 1586	15 - 1600	<p>AV762633, AV738383, BG180976, AA916430, AV756491, AW974932, AI523316, T74524, AI890324, BG029528, AW270385, BE138594, AI254779, BE062159,</p>

				<p> AI133083, BE063437, AL036665, H07953, AI733856, AW084445, AW865946, AA501461, AW068596, AI687343, AA825827, AA456924, BF857849, AW303196, AI800180, AI457397, BF675251, AW301350, BE150793, BE968744, AW274349, AW514662, AV762430, AA714110, AV759632, AW970981, AI696962, AV760915, AA515351, AW069769, AI223968, AL118991, AI859438, AI279417, AL119691, BE139267, BE155951, AI800168, AW410354, AW510513, AA683069, AW193265, AA640430, AA631507, AI963720, AV710066, AV695478, AI912401, AV719392, BF854308, AW270258, AW026305, AA833875, AA833896, AI421950, AI419337, T50676, AI334464, AI344812, BE062478, AA640410, AA477503, AW502237, AI280504, AV754716, AA578621, N35306, AV715310, AW575000, BE501593, BE139358, AW504224, AI216990, AA084609, AC010150, AL138836, AC011497, AC005409, AL078638, AC004840, AC003108, AL035704, AC011489, AF207550, AC007956, AL034420, AL353807, AL137119, AF001905, AL135927, AC004087, AL022313, AL009181, AL121758, AC008379, AL009172, AP001330, AL445687, AC007878, AC020904, AL133289, AC007739, AL021939, AC005800, AL035409, AC006312, AP001631, AL133445, AC011464, AC002303, AC004805, AL121825, AC005318, AL121895, AC009228, AC002472, AC004526, AP001709, AC011475, AL121586, AC005052, AL049843, AC004824, AC005098, AL138894, AC007766, AP000127, AP000205, AC005031, AC008745, AC007664, AP001748, AL034548, AC004867, AC007041, AL109758, AF165926, AC007011, AL109823, AL163279, AL078477, AC004216, AL008627, AL133227, AC009516, AL139328, AC008569, AL445483, AC023880, Z93016, AC007528, AC002352, AC002395, AD000092, AP000547, AL138976, AC004905, AC005940, AC010205, AL049569, AC007227, AC004149, AC002412, AL078604, AC004963, AL391122, AL121776, AL033520, AC022148, AC008496, AC005015, AL132987, AC004983, AL137162, Z83847, AL137005, AL022159, AL022323, AL022333, AL138878, AC008747, AL031597, AC004166, AC007151, AP001711, AC020934, AP001715, AP000193, AC008649, AL022302, AC027319, AL033527, AL078581, AC005255, AC012318, AC010170, AL031291, AL121897, AF217403, AC008784, AC005378, AC010219, AP000031, AC005225, AF112482, AC005332, Z83844, AP000117, AC010271, </p>
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HTXBS38	2467	604984	1 - 745	15 - 759	BF222872, AA746604, AA804603, AA293700, AA292944, BE719392, BE258934, R14098, AW408573, AL521473, AC010239, AC010239, AC010239, AC010297, and AC010297.
HTXBU88	2468	604985	1 - 762	15 - 776	AI494203, AV756491, AW270385, AW021917, AW976024, AV757289, AA714110, BE138594, AV695478, AL134330, AI683131, AW237905, AW798093, AW265688, AV764259, AI923052, AL079734, AL037777, AU144320, AI815210, AV758870, AW958962, AA491814, AW272294, AA225406, BG112362, AW574899, R92658, AA569206, AL038842, BF899132, AW069227, BF725884, AA602906, AW023111, AI573198, C75574, AW500250, AI620376, AW105729, AV760014, C75406, AW957502, AA680243, AI859438, AW574794, T57767, AI431513, AI061313, AA626040, BF526964, AI634187, AA622801, AI040051, AI206841, AI246796, AA515728, AI862716, AI887235, BG029528, AW499745, AA643770, AI962030, AA832175, AW471332, AV755593, AW501806, AI732120, AI312309, AI732151, AI635440, AW963463, AI791211, AI821947, AI457397, AV761107, AA302812, D44639,

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HTXCP27	2469	892364	1 - 1559	15 - 1573	AI016791, AL521555, AI769584, AW003495, BE856337, BF446219, AI949680, AI690420, AI674866, AL533716, AW129519, AA708807, AI623188, BE293472, BF035143, AI954672, AL521554, AW514319, BE249868, BF689284, BE538568, AI563921, AW771608, AL517350, BE259763, AW087864, AI432554, AI634705, AL515207, BG036122, BG236428, BG115132, AI432562, AA418416, AI570350, AA203332, AI587529, AL044111, AA938139, AI359192, BG114338, AI686700, N53494, AI802218, AI917417, AW250025, AW675447, AI634891, AI697620, AU151799, AI290844, BF115088, AW163096, AA418531, AU151100, AI619769, BF315350, AU152226, AI963691, AI150541, AI933325, AU160147, AI204201, BG231985, AI983072, AA190579, AI687672, BF341923, AA831968, AI435812, AI335028, AI587523, AW079871, AU160398, AA292839, BE886136, AI885074, BF925747, AI378193, AI991100, AA115707, AL046114, AL516376, AI057142, AI962687, BF434788, AA132539, BE305043, AA126965, AI825350, BE326854, BF313836, AI637949, N36716, BE730329, AW516535, AA460426, AI754481, AI655486, N26077, AI445408, AW370275, BE391119, W38641, AA994318, AA613447, AA133683, BE149668, AA079391, T30419, AI683064, AI207138, AW612812, W38314, AA470639, AA151641, AW136714, AW361020, BE391795,

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HTXCU30	2470	839846	1 - 1426	15 - 1440	<p>AA604691, AW452507, AA341372, BG058664, AW953071, AL046457, BF852604, AW276817, BG032943, AI963720, BE047069, AL046409, BF940837, BG249643, AI284640, AV763892, AI350211, AW406162, AW276827, AW193265, BF668217, AI345654, AF063563, AI610159, AV762098, BF677892, AW975425, AV761286, BF475381, AI613280, BF736198, AI431303, AV728928, BE160516, AA720702, AL040382, BF241967, AI133164, AV728425, AV760777, BE389111, AL041690, AA680243, AW303196, AW274349, AV760937, AI471481, AV763354, BE350475, AI754955, AU147104, BF854876, AW974109, BF130107, AI289067, AW301350, AV740801, AI754658, AV725423, AW965008, AL037683, AW977303, AA469451, BF339640, AW969698, AW969694, AI801591, AW961994, AW193432, F36273, BE895987, AI281881, AV702857, AI375710, AI688846, BF851403, AW265385, BF678323, AI341664, BE042649, AL138265, AI334443,</p>

				AV757607, AI379719, AF330238, AI053672, AI313166, AV682003, AI085719, AV762139, AU145711, AA610491, AV703682, AI732120, AV760466, BE908796, AW148792, AL040921, BF939954, AA470969, BF684828, AW029038, BF724767, AI537506, AI061334, AI962050, AA491814, BG109996, AI298710, BG024252, AV764578, AW338086, AI339850, AL039958, AW162049, AV762050, AI619997, AI929531, BG059568, AI340453, BF942454, AI814735, AF074677, AV760774, AW473163, AI355224, BG236735, BF806176, AI539563, AW238542, AI821271, AV764398, BF681427, AV681599, AV691147, AW467362, AV718479, AU151000, BE677379, AV759382, BF965007, AW630298, AV764490, BE872393, BF311000, AV658688, AV710066, AI270117, AI064864, AW269488, AI669453, AV719316, AI434695, AI679782, AW731867, AW511743, AW021583, AI344844, BE540527, AW302013, BF805094, AW276435, AW513362, AI732186, AV738303, BF217299, AV759204, AW103758, AV719311, AW769399, AL119691, AI017024, AA652764, AW502975, AA581903, AW600804, AW956704, AL079869, AW965237, AA521323, BF337291, AW468028, AV762067, C75026, BE042475, AW474160, AW833862, BE206443, AI674873, AV762009, AA623002, AW238278, AI341548, AV704375, AV763122, AL046205, AI801482, AW517737, AA503258, AW410400, BF841869, AV733468, AV764530, AV719422, AV761631, AI149478, D82290, AU146417, BF679274, AV762959, BF697673, AI623898, AW238583, AI801600, AA598586, AV764307, AV760042, AW169537, AA577906, AI761471, AI358571, AU144500, BF683672, AW574794, AI537955, AA594145, AI499938, AI446464, BF131362, AW419262, AL038785, AI733755, AV733830, AI339440, BG250302, BF813686, BG104686, AI246119, AI005388, AV763988, AV762535, AA177061, AI357288, AI951863, AV725431, AF254822, AC006127, AP000114, AJ003147, AL354720, AP001717, AC020904, AC006312, AC004019, AC005046, AL133500, AF001549, AF091512, AC007298, AC006017, AC018720, AC005808, AL109965, AC008569, AL157372, AC007878, AP000112, AL158040, AL356299, Z83840, AL031432, AC010422, AC000353, AC004638, AL121753, AL033376, AC008892, AC018719, AL023575, AP001716, AC004906, AC001231, AC011450, D87675, AC073593, AC005412, AC025593, AC006271, AC005089, AC004929, AP001759, AP001714, AL353807, AC007201,
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HTXCV44	2471	740773	1 - 1530	15 - 1544	AI088031, AW023939, AI821670, AA478048, AA478209, BG007575, AI678760, AA708114,

				BE154945, BE154911, N57913, AA988318, AA513692, AC004858, AC010422, AC006515, AC010412, AF109907, AC005102, AF265340, AC007881, AC009244, AL139339, AC007182, AC006001, AF111168, AC009060, AC009311, AC083863, AL121936, AL158196, AC007114, AC020750, AC008806, AC012076, AF207955, AC022336, AC008747, AC006011, AC008155, AC025264, AL136418, AC002115, AC008753, AC009505, AC011500, AC022150, AC074338, U52111, AP001747, AC004087, AL133260, AC018644, AC008068, AC009086, AC005050, AL121893, AC022424, AL118502, AL354696, AF049895, AC007546, AC003007, AC008372, AC004889, AC008569, AC009247, AL360078, AC005531, AC025594, AC004998, AC004103, AC008134, AL031943, AC007450, AL137228, AC006146, AL049872, AC008950, AC025593, AC004033, AL050348, AL023877, AL096776, AL163246, AL137072, AP001669, AC016602, AC024164, Z99495, AL133163, AF001552, AL022318, AP001697, AC019117, AL023693, AC007193, AC012598, AL050321, AC011510, AC011491, AC009892, AC007381, AC010267, AP001628, AC004832, AL109762, AC020728, Z83826, AL117341, AJ271736, AC003037, AC008651, AF235093, AL356010, AC008040, AC010719, AP001598, U95742, Z97053, AL139826, AC011815, AC006478, AC009516, AC004534, AC008062, AC007679, AL035610, AL133551, AC004965, AR036572, U91328, AC011533, AC004967, AP001694, AL137139, AC004448, AC010203, AL121926, AL031003, AL031767, AL355385, AP001754, AC004925, AC022392, AC007637, AL139377, AL121656, AL163533, AL034420, AL137800, AC005180, AC004491, AC003684, AL096791, AC005015, AC007731, AC011497, AC005500, AC007216, AC002425, AC008736, Z85987, AL355392, AC008403, AL132988, AC012442, AL158830, AL033543, AL138976, AL136362, AC004559, AC004840, AF124523, AL031120, AC007676, AL031681, AC006387, AC005368, AC007345, AC020917, AC004032, AL117381, AC008537, AC005288, AL022476, AC005823, U80017, AC005820, AC006502, L78810, AC007151, AC007954, AP001728, AC004000, AP000555, AC005792, AL137009, AC005722, AC018663, AL139352, AC006512, AC010311, AC010180, AC010168, AC004876, AC004617, AC004605, AC005520, AC068799, AL035419, AC004067,
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					AC007279, AL035659, AC013281, and AC027176.
HTXDJ21	2472	739510	1 - 1321	15 - 1335	AW972830, AA504990, AA489820, AA527647, AA570362, AC061991, AC061991, and AC061991.
HTXDJ75	2473	562780	1 - 1614	15 - 1628	AA225175, AU144320, AV764526, AW576034, AL034405, AC011449, Z84483, AC005000, AC005081, AL109806, AC004089, AB009667, AL050341, AL356299, AC005015, AC010412, AP001711, AP000555, AC005088, AC008403, AF030453, AL050335, AC011490, AC005049, AP000688, AC004858, AC020908, AC020552, Z93017, AF109907, Z99716, AL136979, AL136059, AL139343, AC020916, AC021999, AC002316, AL118501, AC020754, AC011491, AC006117, AL133245, AP000553, AC005520, AC005103, AL096791, AF047825, AC007225, AC002369, AC005409, AL031985, Z93015, AC004821, AP001746, AL136137, AC002375, AL031662, AC005037, AC006038, AC009079, AC008784, AL035071, AC004963, AJ277546, AC010463, AC006088, AC009311, AC011450, AL049795, AC002312, AJ246003, AC023880, AL158830, AC006970, AF196779, AL137162, AC027319, AC005180, AC018751, AC008745, AL136170, AC011500, AC007240, AC009155, AP000509, AP001631, AC003003, AC005921, AL390374, AC005837, AC009516, AJ251973, AP001728, AC003037, AP000692, AC010605, AL023807, AC004895, AL133453, AL121658, AC005736, U47924, AL117348, U07562, AL133551, AC006329, AC004876, AC006480, AL355385, AL158040, AC006111, AC004253, AC008044, AC002288, AL121601, AC005102, AC004898, AL022721, AC005874, AC005670, AF134471, AL109865, AF111167, AC005225, AC007546, U95742, AL162615, AC006028, AC002350, AL096840, AL121653, AC020913, AC007722, AL035684, AL034405, AL034405, and AL034405.
HTXDJ85	2474	590015	1 - 1943	15 - 1957	AA401804, AW880562, AA398288, AW975041, AA657797, AA657405, AA928778, W21329, AW474123, N93524, T86243, N46929, AC009420, AC009420, and AC009420.
HTXDK09	2475	754079	1 - 622	15 - 636	AA806417, AA058515, AA526939, AA526924, AW954118, AW016593, AW082771, AI208040, AW978269, AI024074, AA377401, AI632361, BG011792, AA442742, AI858633, AA531612, AW169720, AW973084, AA877913, AI817451, AA765081, BF311648, AW023592, BF311566, AA996104, AA044239, AI014883, AW771752, AA056753, AA836085, AA737566, AA812884, AA845592,

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HTXDO17	2476	843388	1 - 1306	15 - 1320	W92861, W92862, AA064647, AA064689, AW848901, AW848159, AW848118, AW848162, AW848485, AW848634, AW848890, AW848285, AW848427, AW848283, AV761475, AC005243, AC004895, AC002464, AL445435, AP001692, AL133516, AC005386, AL441887, AC005291, AL139327, AC003006, AC008115, AB017653, AC007676, AL034379, AC008279, AC020913, Z98752, AL133353, and AL353777.
HTXDT72	2477	778083	1 - 1507	15 - 1521	AL519585, BE901976, BE782256, BE887585, BE885885, BE259072, BE881931, BF237969, AA191744, AV695824, BG164068, AW247186, BF438703, BE019530, BF111333, AI056228, AA305318, AA158055, AI348164, AI421266, AW167923, AA453703, AA456674, AA779367, AI143900, BF877870, AW471329, BG110754, BE274433, AI369050, AI332645, BF025941, BE857542, AA826716,

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HTXDU08	2478	827578	1 - 1089	15 - 1103	BF966668, BG110004, BF752445, BF752447, BG254287, AV651818, AV651537, AI741328, AV650956, AW377577, AV651739, BF752454, BE466129, BE551199, AW966667, BF194918, AI431917, BF114783, AA889457, BF223440, BF063359, AW170381, AI167913, AW975808, AI057135, AA524106, AA722809, AI689751, AI921842, AW450256, AI168214, BF752433, BE350130, AA806429, BE219065, AI143743, AW391182, AA576765, R49044, AI672654, AW675497, AA428269, N95174, AV682632, BE439470, BF477695, R56812, AW377491, BF887427, AW449337, BF062743, H07930, AW118876, AI932465, AI863635, AW391217, AI288119, BF437537, AW303424, AI620980, BF932784, N99509, AI742657, AW340749, BE501735, AI262110, AW006878, T34095, AA811021, AA360767, AW469794, AI203762, W21020, W21148, AI452980, AW819814, AW975855, AA532532, R50418, BG036897, H94454, AA045815, AA884023, AI648358, N93742, AW391212, Z26994, Z38154, AW957881, AA045929, AA721083, AA330766, BF511393, BE010067, R37013, AW391013, AA378981, AA731011, R34521, AA782392, W32806, BE410387, AW957802, R14615,

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HTXDZ68	2479	824545	1 - 954	15 - 968	AF150415, AA521443, AA765651, AA599108, AV738892, AI804030, AC003111, AC004798, AF161369, AC004798, AC004798, AC004798, AC003111, AC003111, and AC003111.
HTXEN33	2480	589556	1 - 1530	15 - 1544	AI248767, BE246093, AR069468, U20949, AR069487, D78261, U63738, U52682, AC058816, and AC044842.
HTXES13	2481	651367	1 - 663	15 - 677	BF344394, AW959944, BE907670, BE382517, BE313765, BF338479, AI339466, BE743989, BE906305, AI570621, BE222828, AI088762, AI817835, AA434549, AA662133, AA699669, BF725056, AI333967, BF683844, AI669307, AI076748, AI310414, AI310480, AA662096, BG054990, AI333025, BE158972, AI309627, AI308854, AA740871, AI310004, AW444735, H45858, BF940054, BE393365, AA948684, AA931252, BE858296, AA552025, AI376399, AI498530, W48747, AA834581, AI289161, AI378371, N25908, AI885673, AI138476, AI301684, AA844504, AA045902, N40684, BE857636, AA676520, AI370578, AA636048, AA687448, AA948027, AA531076, AA807788, AA644403, AI928410, AI568228, AI927015, AA861046, BE782530, AA584366, AA729907, AI214670, W42852, W42853, AA452718, AA468593, AA005400, F19317, AI359175, AA687504, AA047301, AA328076, AA363383, AI300708, AI913876, AA664856, AA322016, AI185524, AW168584, AA045808, W42908, AA371588, AI244359, BE070822, AA323072, AA327326, AA401721, AA319963, T58761, AI695156, AA369484, AI247975, BF796178, AA737174, W48746, H51522, AA292888, AW577232, BF940538, AA450070, H45817, BG150586, BF526895, N98291, AA005401, T58832, AW390693, BF336794, AA336274, BF837412, AA903394, AI004554, BF845035, AA999871, AA987369, AX017831, and AL356352.
HTXFD86	2482	899517	1 - 1664	15 - 1678	BF975692, BE748819, BF663131, BE748349, AV719646, BE093777, BG260073, BF210820, BF381789, AU157441, AW129766, BE694628, AI342385, AI374623, AI142542, AU141881, AA418160, BG054909, BG057480, W06891, AW242835, AW189544, AA040130, AI253058, AI202968, T27092, AA708710, R20281, BE328237, AI700875, R51987, AA564977, R12643, BF244190, AI336115, Z44733, BF826921, AA417909, AW173471, AA976778, BE963237, AU138042, AI457632, AV655157, N55235, AI571177, AI066692, AL138752, AK023620, AC073598, AC073598, AL138752, and AL138752.
HTXGK12	2483	896690	1 - 1665	15 - 1679	AI832168, BG028154, BE791643, AI440196,

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HTXGL32	2484	732135	1 - 1411	15 - 1425	AW573194, and AI360355.
HTXJD08	2485	566885	1 - 1224	15 - 1238	AI745124, AC011464, AL136140, AL122057, AL139109, AL352984, AL355112, AL117258, AC005822, AL049829, AL353681, AC007436, AC006600, AC008498, AC011248, AC023275, AC005969, AL022151, AL355101, AL022401, AC003035, AC005913, AL359641, AF049895, AL031289, AL031286, AL356513, AC007225, AC010269, AL035423, AL138752, AL023581, AC008277, AL133516, AP001728, AC024947, AC007537, Y10196, AC009953, AL050305, AL135786, AL035090, AC008268, AC004552, AL163209, AC009411, AL390023, AL109921, AC055740, AL137881, AC008433, AC025442, AC007683, AL358293, AL031388, AC006581, Z84470, AC002519, AC018738, AL161646, AC005250, AC004385, AL139182, AL136531, AC004677, AC004025, AL355352, AC002367, AL096829, AL354833, AF205588, AL049843, AL080239, AC008033, AL033530, Z84719, AL121582, AC026704, AP001696, AC009333, AC005220, AL023574, AL035402, AC007380, AP001685, AL031671, AL117337, AL109653, AP001684, AL049830, AC005386, AC008041, AC002476, AL138743, AC021019, AC002994, AC024082, AL133162, AC005229, AP002528,

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HTXJD85	2486	840391	1 - 1103	15 - 1117	BF511613, R16403, H06356, AC005874, AF134471, AC005261, AL137039, AL031588, AL132653, AC008649, AP000689, AB003151, AC005080, Z94056, AF243527, AC016637, AL391259, AC008569, AC001231, AL354720, AL050349, AC002425, AC078797, AC078797, and AC078797.
HTXJE12	2487	862072	1 - 1626	15 - 1640	BF342706, BG035446, AI005482, AA781114, AA522519, BG235909, BF125900, AW665523, AV702780, BE504396, AA527389, AI073948, AW573307, AI338315, AW963008, AW970698, AA973588, AA988131, BF057602, AI354277, BE503992, BE551453, AI906249, BF933161, N64487, AA916538, N92221, AW361948, T23802, H11780, AI796937, AW188867, Z44433, AI678325, AI524764, AI306616, BE817526, AI310310, AI301826, R37401, Z40363, N48912, R13493, T91454, BF983587, R42177, AI300719, T97412, T98990, AA323393, BF568332, AA454136, AA844125, AA872855, N45674, BF125698, T97298, AW118112, AB018302, AL137268, AK025609, AF111169, AF275805, AF111169, and AF111169.
HTXJI59	2488	869905	1 - 2046	15 - 2060	BE614278, BG252077, AV705332, BE905132, BE786765, AI084660, AI809967, BG252003, BG108303, BE906642, BG058745, BE788380, AU152616, BE613556, AU149398, AI571308, W52078, AI581132, AI185833, AU149110, AW069045, AA479518, AU148344, BF344416, BE349927, BE208302, BE301712, AI371737, AA688219, BE906733, BG151536, AW057784, BE302277, AW276839, AA767918, AU145894, BE783512, AA151688, BE466258, AA742225, AU153022, W81272, AI590694, AA742312, BF216173, AA995820, AI829835, AA479516, AA659913, AI888398, AW168209, AW276462, AI720004, AI982668, AI335648, BE389934, AA813688, BE464798, AI343756, T49397, AA579809, AA588563, AW853510, AA157273, T57908, W81235, AW050990, AI813965, N99989, BE350474, BF593643, AA617919, AA295064, AW149090, N71715, AI131468, BE887474, AA636034, N94601, AI582572, AW606299, AA743745, BE829873, AW627366, BE046162, AI081800, AI983946, AA579797, AA987874, AA070837, AA669981, AU157606, AW630395, BF027125, AW960826, AU138424, T50498, R52961, BG057768, AI526061, C00415, AW070868, BE829930, W03414, BF154990, AU125446, AI565917, N67488, AA721064,

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HTXJJ92	2489	688062	1 - 809	15 - 823	AW575012, AA484373, AL135377, AW576374, AI538870, AA513188, AL031447, AC007405, AC010271, AC000353, AC011510, AC004985, AB023049, AL135928, AF243527, AC007308, AL035455, AL080243, AC008372, AC004851, AC018738, AC005829, AC005803, Z83845, AC004000, AF001549, AC008736, AL049836, AC007272, AC005215, AC008569, Z83844, AC002544, AC009032, AC002350, Z93015, AC003046, AP000512, AC020893, AL353812, AL109743, AL049636, AC007242, AL031777, AC007688, AC005086, AC008403, AL024498, AL024507, AL109823, AC005082, AL136992, AC005280, AC005291, AF215937, AC021036, AC005907, AL163201, AL049829, AL354696, AP001753, AC016831, AL355392, AC006330, AP001726, AC005015, AC004386, AC007597, AC006441, AC006028, AL096701, AL035405, AL031311, U52111, AC006315, AL136981, AC011495, AP001670, AL109976, AF109907, AC011491, AL049856, AC004858, AL118520, AP001713, AC006480, AC004089, AC005102, AL121653, AC009244, AC004098, Z84466, AC004832, AL035086, AP000697, AL132639, AC006960, AC009502, AC005031, AC007216, AF196779, AP000350, AC007537, Z95152, AC006112, AP001711, AC005103, AC008083, AC007686, AC004253, AL021155, AC004821, AC004887, AF038458, AC002457, AL132713, AJ400877, AL158830,

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HTXJM94	2490	853413	1 - 924	15 - 938	BG024444, BE896196, AW968455, AV706548, AW275036, BG105730, AW504765, AA906072, BE621482, AA446724, BE814134, AW838478, AA609262, AI123259, AI382929, AA017689, AW439934, Z24971, N24537, N33979, N43850, AA459144, AW953804, T34768, N27708, AV728950, T30082, H16873, AF077205, Z98200, Z98200, and Z98200.
HTXJV54	2491	637729	1 - 1882	15 - 1896	AI765535, BF001346, BF432356, AI701144, AI628601, AI167667, BF725081, AI167568, AI038426, AI636448, N64599, BF592944, AI635509, AI971699, AI359072, N79924, AV726317, BF725082, AV725594, AC010206, AC008119, AC008119, and AC010206.
HTXJW06	2492	789201	1 - 1480	15 - 1494	AW952371, BF448738, BF525391, BE503178, AI436256, BE552271, AI972385, AI492252, AV707436, BE551513, BE552281, AW009753, AI183654, AI360373, W56751, AA305172, AI802417, AI590638, AI149096, AI597689, AW088684, BG180464, AI498875, AV702493, AA643746, AA446604, AI217779, AW073167, AW157326, AA468851, AA766884, AW082218, AI083941, AA932568, F29109, AA936458, AA482263, W56510, AA057187, AA804336, N29950, AA482364, T54472, AA989232, AI474387, AA325882, AA852753, BE162155, AW130456, AI470427, AA494415, AW967135, BE162159, AI923140, AW806448, AA552761, AA339266, BF725131, AW810576, AW129327, T54424, BF925621, BG250974, AA836475, T59739, AA977388, AA233545, BF989706, BG029102, BE277201, AW473387, BF091317, AW050678, BF963610,

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HTXKB57	2493	844329	1 - 2822	15 - 2836	BE746332, BE250160, BG250511, BE790537, BG109733, BE794650, BE871407, BE395096, BG111951, AI806629, BE257485, BE795803, BE263975, BE742562, BE866828, BE795502, BE255875, BE783791, BF342278, BE546010, BF314278, BE897195, AW966822, AW958714, BE747754, BE542251, AA553530, BG231832, AA404278, AI940621, BF966416, AW958709, AW043740, AA306203, AI700759, AW068246, AW027960, AW028124, AW084841, AI375516, AI745008, AI940631, AW965024, AW516186, BE019217, AI122741, AA779826, AI378187, AI351744, AI831758, AA844486, AW177716, AI016653, AW439704, AI884816, AW592450, AI610610, AI188921, T86796, AI078369, BF507528, AA401285, AI360991, W86514, AI826299, AI341117, R73315, BF856400, AI299038, N33030, AA007548, AA021613, R72851, AA069819, W24871, N28447, AA007549, R50693, AI924743, BE747477, H58842, N68903, AW068155, T33029, Z43505, AI306715, BF850966, W86697, AI193692, AI193945, R18404, BF826654, T86701, AW512162, AI191487, AI040417, AA620845, H95601, BF966545, AA160461, AI868736, AA069909, R50694, BE091218, R35962, R49476, R42467, BE091232, BE746043, AA337897, H67263, C75020, BE250636, AI203308, N95714, H58790, T30599, R33854, AA021562, W00580, N42091, BF886065, AV739843, BE514668, BE074582, AV740588, BE934261, R33853, BE669899, AV736508, C03610, AI288754, BE831628, AA847535, AA019726, AA742772, AW000794, AW376002, BE258035, AW803305, BF959166, AI915677, AA368831, AW385395, AW577405, C20848, AK025825, AC005726, AF161427, X05196, AB017483, and AB037982.
HTXKH22	2494	562781	1 - 1059	15 - 1073	H06497, AI698573, R37408, AC024570, AC024570, AC024570, AC008899, AC008899, AC008899, AC025441, AC025441, and AC025441.
HTXKH40	2495	600378	1 - 1276	15 - 1290	AL521607, BE729126, BG248593, AL522549, BE744899, BE743976, BF971112, BG249430, BF688906, BG116617, BE410692, AI905440, BF570295, AW964395, BG166435, BF340242, BG108566, AL522001, BF031826, AA142829, AA206373, BE883834, BE546682, AA318302, AI905525, AI189410, AI961339, AW579408, BF968375, AI884509, AA121661, AI678707, BE741195, AI052759,

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HTXKK76	2496	858755	1 - 1615	15 - 1629	AI628541, AW022897, AA584482, BF828714, BF748990, AV762220, AV732497, AW961160, AA931974, AI821596, AI475114, AL537797, AV704375, AA173983, AA179163, BE747049, AA261953,

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HTXKL53	2497	783141	1 - 1596	15 - 1610	AA121863, AW972157, AI005330, AW246779, AI553793, AI076501, AA889963, AI245539, AI298575, BF732476, AA483640, AI123318, AI298397, AI829879, BE645309, AU159951, AA627412, AW250974, BF063304, AI094218, AI160351, AI523173, AW731821, N70566, BG259765, AA721451, AA877594, AW376863, AI032434, AA564388, AA723454, AL530857, BE865465, AA404537, H07869, F13805, BF840014, AI055951, AA122217, AI457636, AL518848, AI474982, AI678622, AW189626, W80766, BE740884, AA706470, AW591598, AW571641, AW514292, AW474453, AA741065, AA480437, AA122216, AW051083, BE793925, AW605095, T08020, AL355392, AF161516, AK023992, AF152097, AF177477, AL355392, AL162505, and AC023015.
HTXKS11	2498	688063	1 - 1931	15 - 1945	H56294, H56092, AW470421, AB048998, AC069204, AC069204, and AC016937.
HTXKS27	2499	877820	1 - 1441	15 - 1455	AW976623, AW960541, BE217989, AA808905, BE218518, BE875190, AI279824, BF445188, BE672631, BE467324, BF110736, BF433873, AU153961, AI912984, AI698016, AA831644, AI656363, AA973823, AV756098, BF939052, AW136350, AI384081, AA776403, AI247530, AI024521, AI348295, AI417567, AW505328, AA243344, AI869547, N66641, BE464856, H52842, N22498, AI825211, AI580661, AW207497, BF196037, AI685865, AI080592, AI272182, AI784098, AI611158, C03505, AW205873, AI288137, AA303634, BE468085, AI049588, AW248483, T67112, AI925755, W25985, AI128707, T67113, T12050, Z45926, BF588536, AW516480, AI620704, AA721452, AA748861, R63515, W01319, AI869722, AI916080, BG150041, T12049, AI263474, C03415, AI446201, F04834, BF091587, Z38932, AI560595, BF738730, AA485075, N98667, BE513505, BF734769, AK023258, AF208848, AL359593, AC068385, AC068385, and AC068385.
HTXLC05	2500	843523	1 - 729	15 - 743	AW779536, AI830607, AW293632, BE254656, AI672798, AW389052, BG058550, AA359942, AW605580, AW882500, AC012251, and AC012251.
HTXLC45	2501	834930	1 - 701	15 - 715	
HTXLT36	2502	843477	1 - 1026	15 - 1040	BF038509, BE907863, AW450318, BF064162,

					AA846547, BF090743, AI743758, AW452088, AI038546, AV721433, AI124936, BF221659, AW961339, W88912, AI038218, AI468531, AI401419, AA312153, D12023, AA361016, AI024136, AI308237, AI763043, AA722378, AW043671, AA304380, AA329556, AI917526, BF507852, AW901911, AA483331, AW969635, AA280698, AI524566, BE898992, C75284, AC006160, AC006160, AC006160, and AC006160.
HTXLY94	2503	844165	1 - 3497	15 - 3511	AA020911, BE788018, AL043774, AA019977, BF056613, W28989, BF436846, BE222901, BF593644, BE745686, BF362452, BG169901, AA722786, BE781921, AI479294, AW953288, AI081914, BF892861, AW340385, BF892856, BF059634, AI693001, AI362051, H15465, AI582303, W92504, AI393893, W28775, AW801662, AA972096, AI350787, AA085086, AA716695, AI246148, AI167703, AA176911, AI272111, AA846714, R44017, W22289, H10893, AA983733, BF892850, AA019947, AI655328, BF771956, AI361104, H11171, AI129209, AW883899, H09577, W27911, AW303345, H15409, AI183495, H06910, AI917751, T77487, R12554, AA630822, AI202926, N35843, AW005038, N27096, T24063, AW451315, AI873102, AI359408, H09010, F13366, AI199126, AW276553, R37456, AA179065, BF362464, T71056, AA350792, AI825414, R19553, AW801443, AW594421, F13261, AW883658, AA335582, F10959, AA644598, AI222148, AI221744, Z44777, AA470413, R19030, BF892105, AI341391, AA350791, AI961948, W28409, F09096, AA906000, T71127, AA315168, AA991920, AW801737, N62428, BF736932, AI933848, N40504, BE706305, BF763743, R38376, AA335806, BG057975, F10863, T10127, W28251, AW974911, T10126, H11083, AI656021, AI687663, AI424575, AL043690, AA659600, Z38415, H10849, F05434, H06869, AW951967, BE939030, AI696592, AW753706, T24459, AW753716, BF846116, BF362403, AK025533, AL158822, AL158822, AL158822, and AL353636.
HTXNV66	2504	840597	1 - 2044	15 - 2058	BE792248, AW954130, BG256142, BG107704, BE387653, BF570074, AA020886, AW408062, BG116672, BE747864, BF968877, AI955209, AA868560, AW403898, AI948454, AI017433, AW170522, W74645, BF196572, AA443135, BE466188, AW504451, AI811668, AW452937, AA631600, W28761, AI818285, AW071094, AA912905, AW205374, AA693936, AI636861, AI758902, AI347305, AW270748, AA033756, BE736097, AW571705, AI090605, W15149, AA886310, AW385052, AA486822, AI707616, AA634914, BF764059, AW235273, AA504537, BE263896,

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HTXOL30	2505	838462	1 - 826	15 - 840	BF883491, BF884916, AA768255, N53352, AA985662, Z82215, AC073898, and AC007620.
HTXOW27	2506	839280	1 - 2373	15 - 2387	U55777, Z78337, BE300034, BF026557, BE563006, AL526718, AL526598, BG029578, BE394636, BE856395, BE396082, AV709362, BE276200, BE296060, BE265498, BE966334, BE736038, BE296312, BE296083, BF982930, BE614635, BF972662, BE791686, BE269523, BF341340, BF345556, BE613770, BE393395, AW205654, BF348051, BE895571, AI762983, BE782600, BF795878, AI762523, BF513996, AI676109, AI859583, AW956261, AW960990, AA843899, AW938743, AW248619, AW081190, AI394519, AI435270, AW402704, AW375353, AW072978, AI339596, BF770167, AI498777, AA713835, BE299628, AI131133, AI039680,

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HTXPD86	2507	834772	1 - 2050	15 - 2064	AL521101, AL522518, AL521102, AL522517, BF222844, BE245220, AW959835, BG149650, AI609812, AL524379, BG122179, AL040969, BE387667, BG122113, BE546056, BE388954, AI341394, BE311623, AW007709,

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HTXPT57	2508	897834	1 - 1113	15 - 1127	AA565918, AW192718, AA719835, AL044340, AL527073, AV719941, AI076616, BE207261, AC005995, AC007956, AC005696, AC011484, AC009032, AL050349, AL022721, AC008474, AC006544, AF111168, AC005288, AC005821, AC008403, AL136137, AC005037, AP000553, AF001550, AC007686, AC005180, AL117382, Z93015, AL031427, AC004686, AL096701, AC005940, AC002302, AC010677, AC005015, AC005318, AL138752, AC004867, AL118520, AL034429, AC005102, Z98200, AC010553, AC008521, AC007969, AL049694, AL356299, AC007850, AL109743, AC005722, AL096840, Z84480, AC004765, AC002400, AF254822, AL034420, AC008569, AC002425, AL009172, AC004477, AL031577, AC005666, Z85996, AC010203, AC004929, AC008738, AC005089, AL160175, AL133263, AC005529, AF134726, Z97985, AC011497, AC011895, AC010170, AL157938, AC011465, AC002390, AL109797, AC004087, AL139353, AL031276, AC004967, Z93023, AC006120, AL132653, AC004644, AL355392, AC005822, AC011500, AL136300, AP001728, U80017, AC004253, AC005231, AP000501, U47924, AC005874, AF134471, AC011811, AC004216, AL121890, AL139286, AC000379, AC002563, AC005005, Z97053, AL031311, AC007536, Z82180, AC004000, AL024507, AC006111, AC007637, AP000115, AL157838, AC006160, AC007114, AC005952, AC009000, AC002301, AL023284, AC005212, AC009087, AC005057, AC004971, AP001694, AC004099, AC007240, AC006057, AC011442, AC007225, AL022320, AC027644, AL031295, AL117336,

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HTYSJ88	2509	598718	1 - 758	15 - 772	AA412030, AI208174, AW961493, AA318943, AI732151, AW069227, AL079734, AV762633, AW504485, BF725761, AW474168, AL042373, BF668217, BF725844, AI625604, BF526964, BE138594, BF918640, AI687343, BF868994, AW302909, AV710482, AW500684, AV762354, AW973992, AI300054, AW270385, AA715814, AI267356, AW813668, AI755214, BE062478, AI380617, AI754105, AI754567, AL043878, AI369580, AI267450, AI792575, AI282253, AV760391, AI821714, AI792133, AI791913, AA535216, BF528591, BE062476, AI345681, AI345675, AW327624, AW576251, AI654738, AI081147, AI336054, AV760389, AA487226, AI634187, AI696955, AC006965, AL122015, AL133545, AL049795, AL355392, AL121754, AL139232, D87675, AL354720, AL163208, AP000493, AL009181, AL136295, AC004594, AL035461, D83253, AC010150, AC007065, AC005370, AC000025, AC004884, AC022392, AL035659, AL139378, AC004148, AC005013, AC010282, Z85987, AC006057, AC004259, AC009600, AC004686, AL031276, AL139123, AC004600, AL031847, AP000150, AC008616, AC083871, AC002377, AC006160, AL035091, AP000009, AL354773, AL117351, AC008806, AP001429, AL035086, Z82206, AC008764, AC005189, AC009331, AC005358, AC004973, AL353807, AC018633, AC020663, AF254983, AP000302, AC004067, AC016995, AC010422, Z82215, AL163201, AC006211, AC010200, AC006511, AL163248, AL022165, AF126531, AC011497, AC002349, AC010677, AC004089, AC008569, AC006120, AL157938, AP001443, AC003683, AL035246, AC006130, AL022320, AP000997, AC011811, AF168787, AC005736, AC006561, AF031078, AC008623, AC005340, AC005952, AF030876, AC005103, Y10196, AC004851, AL135927, AC007227, AL353680, AL121897, AF196969, Y14768, AC005015, AL008732, AC009511, AC004707, Z98051, AL158046, AL049709, AL031297, AC018719, AL137059, AL022318, Z69719, AP000088, AC009087, AC009958, AF047825, AC004846, AL078476, AL049776, AL118501, AC004840, AC004876, AL121989, AC008509, AC007383, AL157702, AL031657, AL445258, AC006441, AL354766, AC004477, AL049870, AC003687, AL136124,

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HUDBE20	2510	637731	1 - 1000	15 - 1014	AL158089, AL158089, AL158089, and AL158089.
HUDBK47	2511	669688	1 - 1628	15 - 1642	AL117327, AC004859, AC006411, AC006411, AC018946, AC018946, AC027478, and AC027478.
HUFAB57	2512	587275	1 - 1520	15 - 1534	AI075765, BF511556, AI700584, BE047285, BE350093, AI300389, AI350116, AI092464, AI672219, AI810545, AW451849, AI949748, W17246, AI199260, AV746568, AI349327, BE815322, AA528022, H89427, AI284787, BF798855, AA524323, AA994801, AA634039, AW074763, AA923362, AI307448, AI862259, N78843, AI224260, AI349625, AI312256, T29866, AI223617, AI312337, AI309447, AI313341, AI306266, AI284614, AI312336, AI305757, AI609857, AW302009, AI271061, AI335152, AI279036, AI345078, AI223510, AI224767, BE041933, AA650336, AI309381, AW302987, AI271412, AW268753, AW661990, BE041588, T63436, BF885328, AA609425, AI284368, AA732526, BE893005, AV733824, AW811135, BG119916, BG255030, AW079432, AI471909, BF569448, AV704928, AI887775, BF726146, AL033526, AR088270, AL049824, AF042386, AF104013, AL033527, AR068879, I58414, AK024413, AR009513, AR031487, AR001352, AR053029, M97016, AC006059, AF184110, AC010311, and AL353680.
HUFAL17	2513	741072	1 - 843	15 - 857	AA524604, AW169183, BF823372,

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HUFAO92	2514	608175	1 - 805	15 - 819	BF508637, AI808815, AI457550, AI911077, AI658931, AI916359, AW009684, BE962972, AW072228, AA579578, AA622141, BE873629, AW973509, AA552628, AA594836, AA551833, AI167645, BE829868, BE829869, BE829871, BE829870, BE829875, BE829863, BE829935, AA576815, BE829887, BE829862, W23220, BE829872, BE829896, AA295027, BE829925, BE829922, BE829884, AF114127, BE869579, AK025424, AB014603, AL137668, AC022165, AC022165, AC010732, and AC010732.
HUFAO94	2515	668267	1 - 725	15 - 739	BF981862, AI148644, BE867924, BF311998, AI141717, BF509112, BE314616, BG110292, BF311948, BF313743, BF312883, BF311119, AI355280, AV722471, AI814247, BF526877, AI633658, BE273931, AI452731, BE740008, BE560662, AI435066, BE259880, AI139019, BE904125, AI857914, AA581889, BE315038, BE730028, BE269698, BG115129, AA617971, BE907044, BF127883, AW026378, BE018876, BF435025, BE878105, AV705691, N36775, AA830266, BE878373, AI375292, AI023389, AI332719, AI432438, BE206561, AA622478, AW964913, AV753433, AI292252, AA977732, AI092111, AI986398, AI302659, AI285818, AI560415, AI379121, AW051470, N35923, BF350372, AI123258, AI075383, AI075385, AI916505, AI369803, AA286687, BE878298, AA063584, AW072015, AW050793, N42201, AI348562, AV722817, AI474997, AA037218, AI241935, AA242888, R67060, AI081160, AW381262, BF058648, BE772928, H29834, T64303, AI376198, H87649, W00490, AW381259, AA513317, AI985043, AI186406, AA082867, AA064615, AI873125, AA910546, R66180, AA832506, AA036653, H19829, N45936, AA252242, BG026118, N72214, AW404601, AA064673, H89959, T64688, H87148, AA121400, AW352312, AW614467, H19859, AA627610, AA320571, AA365156, AW407121, AI186455, AA814718, AA085339, AA760794, BF900713, AW001262, AA283941, AA563841, AA325877, BE265587, AI865765, AA303566, AI090967, AI341845, BF476282, AA922816, BF842746, BG055494, AA581137, BE843392, BE830401, BE830390, BE830400, AA262055,

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HUFAP33	2516	600379	1 - 1523	15 - 1537	AI492875, AI749838, AI796676, AA918144, AI814590, AI923531, AW188476, AA524255, BF513992, AA847476, AI720725, AI748873, AI150879, AI279072, AW190984, AA483519, AA775055, AI284510, AI492104, AW612904, AI141231, AA613554, AI917655, AW662148, AA662104, AW769047, AA565985, T89953, AI473980, AI623640, AA377113, AW769091, AW581798, BE934311, AA295763, BF064110, BF063227, AW974745, AA662070, AA075641, AA075642, BE829414, AW593671, BF760645, AA309786, BE829378, AW612888, AI626076, AW769569, AI796678, AW149876, AW366372, AI690813, AI559752, AW079432, AL121496, AV736475, AV738825, AI336633, AV737685, AV735391, AV743177, AW028416, AV735682, AV736885, AV740451, AV744590, AV735798, AV743713, AV739235, AV745038, AI345567, AI254226, BG029399, AI567582, AI224463, AV692771, AA421957, AL037558, AW161202, AW302816, F28295, BG114724, AW117652, AI288050, AI621341, AV737481, AW576176, AI590043, AI627714, AW245729, BG180605, AV682035, BG113299, AI345143, AV713517, AV710608, AW167229, AV701560, BG180273, AW058233, AV743831, AW827285, AI352326, AW026905, BF676775, AA207067, BE393784, BF680133, AI612885, AW081606, BF814449, AW023338, AI814087, AW021373, AW090206, BE895585, AI888956, BE966699, AI681952, N22276, AI591407, AI434134, AI473451, AI564765, AW089844, AI624529, AI440263, BF038002, AA243996, BG008941, BG180614, AW105455, AI218156, AW162194, T66952, AI272038, AW090128, AV733336, W48671, AW089390, AW083826, AA614517, AI815162, AV682523, BF698359, AL041150, AI473208, AW020397, AI625516, AI472767, AI923061, AL047826, N63128, AI923190, AI244105, AI572717, AI670895, AI345688, AW673679, AL118781, AI889728, BE906419, BF337602, AI247298, AW148841, BE876029, BG251415, AI811785, AI536601, AI826225, AW050725, AI203903, AI933992, AV723064, AI683099, AI348847, AI336634, AW102902, BG110741, AI830259, AI250646, AA587590, AI879064, AI250627, BF792136, BF811808, AW834282, AI537677, AI699020, AW194014, AI802695, AI114703, AW583182, BF828245, AI696626, AV701707, BG029829, AI954422, AI698391, AV702994, AI251205, AI345013, AI633061, AI335363, AL043239, AL044192, BF969494, AI298026,

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HUFAU71	2517	638836	1 - 2132	15 - 2146	BF340737, AI765521, BG114935, BF593742, AI497757, BF743683, BG121981, N40717, AI761233, AW467938, N53455, BF000670, AI818496, AI343785, BF476138, AL043306, AA682443, N24761, BF593836, AI147248, AI086795, AA151316, AI768274, T15981, H17331, H17318, AA132787, AA151317, N35901, N72458, BF909329, H16864, AI749561, AA058371, AA719371, AW959402, AW205506, AW083548, AI142035, AI769860, AI784548, N27951, AI800679, AA595210, T95298, H99958, AI127616, AV652948, R56598, AI041733, N21027, H17360, AA678249, AI459902, AA132895, D58461, T95379, R14499, H62754, R59632, R22689, AA301293, BE327641, BF948700, AI267251, AA133062, AI865829, R59573, BG014697, R40829, H29327, H29420, T08304, AA132582, AI254736, AI302433, AI744176, H16755, BF844589, R43395, R56599, AI241825, AA027907, AA058446, AA027842, H17342, AB032773, AB032786, AC012555, and AC012555.
HUFBK95	2518	683039	1 - 1370	15 - 1384	AW452004, AA056314, AA019290, R35058, AA054208, AI365062, and AC017081.
HUFBP77	2519	596839	1 - 1360	15 - 1374	BE739384, AV710021, BF676739, AI458066, BF061560, AW083173, AA780374, AW474167, D62469, AA662183, AA334613, AW974772, AA580883, AA662139, BE867532, BE738837, AI753636, and AW152474.
HUFBV62	2520	742892	1 - 729	15 - 743	AA738437, AW262213, AI291500, AI038166, AI913142, BE351047, AI800898, AA149855, BF198140, AA403160, AA947723, AA760904, AW976794, AA247914, AW085529, AA905798, AA115111, AA983378, R55017, AI139388, AA872872, AA149828, AI379673, AA114978, AI681324, AA249615, and AK024939.
HUFBY96	2521	838624	1 - 722	15 - 736	BE218028, AW055220, AW015575, BF674149, BF056653, AA482033, BE777992, AA058511, AA723887, AI808961, AI288770, AA436822, AW468020, AA805154, AI279159, AA074967, AA872194,

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HUFCN72	2522	664789	1 - 789	15 - 803	AC016568, AC025439, AC023134, AC023134, AC023134, AC016568, AC016568, AC025439, and AC025439.
HUFEF79	2523	704092	1 - 996	15 - 1010	N52398, H71335, N72804, R59061, AW295411, AW516424, BE464620, AI288309, BE221550, AW327762, AV736989, BG059419, AW022119, AW393469, BE268088, AA644128, AU154118, AU153558, BF445796, AI926467, AI278389, BE048838, AW403199, AA847471, BE208376, AA620434, AA205539, AI625269, AW269874, AA232096, BF350990, AA176375, AU151143, AW080883, AA071316, F20501, AW768374, BE965953, AI698309, AU149997, AW510430, AU151961, AU150857, AU151862, AU154039, AU153659, AU154406, AW078564, AW770439, AU151448, AW168160,

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HUKAD46	2524	604986	1 - 1540	15 - 1554	BF432546, BE886845, AI864293, AA219173, H69004, AA299902, AW001729, AA219484, AW137258, AI671534, AW242472, AL039919, AA649642, AW419201, AV759204, AW886169, AI334443, AW970896, AW886165, BE350475, AI307201, AI830390, BF797630, AW261871, AI349850, AI284640, AI305547, AW020094, AI814735, AW833862, AL119691, AW406447, AW796255, AA493170, AI613459, AW193265, AI431303, AW021399, AA829225, AA513181, AW474160, AI471543, AV764389, AW419262, AA525807, AI571512, BE147093, BG249643, BE047069, AW673241, AI859742, AL037683, AA779599, AI345654, AA502103, BG058664, AA226153, BE044000, AA649705, AI124798, AW511743, AU158130, H88666, AW276827, AV760937, AW276817, AI963720, AI281881, AI350211, AI733523, AV763540, AI962050, BF885741, AW238583, AI053672, AI355224, BE147827, AI744827, AA134367, AI887468, AV719422, AI471481, AI688846, AA601376, AI061296, AI613280, AI281903, AI085719, AI038990, AL137954, AI282832, AW193432, AI061334, AV763418, AW979269, AI624698, AW274182, AW502975, AV763354, BF724372, AA349854, AV762050, AV762139, AW500125, AA482768, BE047693, AL046409, AW513015, AV762781, BF475757, AV728928, AA810370, AW965008, AW192199, AA758934, AV719506, BE327924, AA664535, AA634101, AV759935, AA513850, AI375710, AW131457, AI358501, AI889781, AV762098, AB023061, AF133588, AC000102, AC000029, AC000080, AC004659, AP000692, AC005663, AP001725, AL031281, AC005602, AC016026, AC011450, AC024082, AC011469, AL031228, AC078899, AC007845, AC018642, AC005971, AJ003147, AC004826, AC007226, AC005245, AC009311, AL008582, AC005011, AC007383, AC009086, AC005082, AP001418, AC003007, AL109743, AL133519, AP000289, AC006275, AL121905, AC011484, AL136137, AL133545, AP000042, AP000110, AL049870, AC010326, AL020993, AP000555, U95742, AC004257, AP000008, AC008379, AL121580, AL109935, AL353807, AL049745, AL121983, AC004695, AL445687,

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HUKAI28	2525	843240	1 - 1686	15 - 1700	AW970124, AI927902, BF726581, AA514595, AA024569, AI522300, AW085977, BF515984, BE265766, BF516552, AA024681, AI655128, AI342667, AA909007, AA453980, BF772864, AA453472, BF772010, R19012, R44083, R16327, Z38629, AA299821, R41403, AK026733, AP001021, and AP001021.

HUKAO50	2526	805975	1 - 2044	15 - 2058	AV722338, AI431788, BF435333, AV722940, AI681264, BF514353, AW518687, AA458581, AI040847, AW364986, AA302862, N28394, AA179069, AA837053, AA809755, N94870, AI273305, AV752097, W39636, BE244937, AW297331, BF746111, AA767777, N29522, AI186482, T30167, Z43594, AI520861, AA971245, AI830344, AA258244, AA179320, R25275, AI800261, Z39659, BF436198, BG014470, AI055986, AA973838, BE896547, BG014481, AA351029, D61168, AA096257, AV749923, AA094345, BE172430, AI394005, AA911658, AI150929, AA191277, AI050897, T17427, AA746683, T89350, BF037031, AA291353, AL513907, T89365, AL514627, AL513597, BF726322, AL513803, AL515375, BG180996, AA247994, AV758179, AL514473, AW162071, AV755290, AV655645, AI436456, AI064830, BF248233, AV682521, AV682266, AV682249, BE785905, BE047863, AV706777, AL135661, AL121270, AV682809, AL119049, AI818683, AI687376, AL047042, BF343172, AV682672, AI679724, AW827203, BG260037, AW268253, AL514791, AW071349, BG058208, AI349772, BG179993, AL514919, BE048319, BG107847, BF054789, BE048071, BE880190, AV756770, AV755613, AL515041, AV757158, AI815383, BG250190, AV708119, AV681857, BF724691, AL045500, AI868831, BF795712, BG036846, AV710479, AI349645, BE964812, AL514129, AL036396, BE877769, AL514793, AL120854, BE964700, AV757797, AV681785, BF970162, AV681951, AL046849, AV758806, BF883916, AV729890, AV755614, AV710608, AL514691, AV681630, AI433157, AL515047, AV682252, AV704928, BE964633, BE968552, AV682222, BG105099, BG108147, BF882343, AI969601, AL036146, AV757327, AI433976, AV704350, AL514359, BG033403, AV682772, AL036802, BG027204, AV682476, BG168696, AV756477, BE048163, AI349614, BF793644, AL120736, BG257535, AV682289, AV756342, BF971016, AL514929, AV758217, AV681668, AV723953, AV682330, AI920968, AV755311, AI500553, BF981774, AV727506, BF970446, BE048081, BF970731, AI608667, AV758110, AL121365, AI687728, AW827211, AV758668, AV763915, AV682351, BF968493, BG259801, BE881155, AI538716, AL513553, AI625079, BE777769, AV757943, BF812933, AI500077, BE048026, BF673434, AV682441, BG179633, AV682074, AV756703, AL047763, BE018711, AV733397, AI567351, BF340031, AV711509, AV757455, AI906328, AL514803, AL036759, AL513643, AL514935, BG252929, AV726951, AV733470,
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HUKCS86	2527	826468	1 - 1767	15 - 1781	AL523744, AL518418, AL532448, AL518417, AL520420, AL522351, AL523745, AL518139, BE616497, BE616605, BE733368, BE738588, BE799416, BE791749, BG260098, BE732685, BE731572, BE614414, BE730661, BE615071, AL516298, BE273481, BE900141, BE871390, BE615333, BE391259, BE615677, BG250164, BE273477, BE545185, BE868600, BF343630, BE787044, BG121292, BE311771, BE872564, BF314993, BG253624, AL516299, BF343495, BE901752, BE798255, BG177283, BE784359, BG252058, BE785642, AW966070, BE536452, BE790200, BG169715, BE888542, BG255223, BF340374, AL536080, AW245914, BF339152, AW245656, BE784381, AW378155, BF306529, AF121180, BE544651, AW604406, BE613802, AW370146, AL522350, BE547030, BE615584, BE545666, BG260825, AL520419, BE297286, BE785317, BG106890, BE889515, BE298547, AW954718, BE787356, BF307304, BE382543, BE696066, BE546574, AA522530, AW370144, BG168704, AW073128, BE696081, BE299139, BE907496, BF683301, BE785357, AL536079, W29115, BF724212, BE787716, BE544219, BF341544, AA001456, BF307862, BE548627, AA779698, BF684396, AI435833, BF526830, AW378241, AA419606, AW574777, AW574776, AA604253, AI417546, BF589266, AW378176, AI095039, AA576999, BE546410, AW378136, AW748330, AA102640, BE311602, AA016189, AA856578, AA190486, AI937287, AA056329, AA669335, BE543362, AW006110, AW378238, BE545344, AW748329, AA520984, BF343787, AI525555, AA031658, AI498922, AW027280, AA156568, AI884745, AA838222, BE870933, AW378233, AW378139, AA548372, AA053912, AW378240, AI083719, AW378173, BF527505, AA643059, BF807840, AA618602, AA135206, AI224159, AW403561, AA533627, BG236134, AI459590, AI609698, AA411709, AA599035, AI149145, AA016188, AA968939, AW366242, BE793287, BE787846, AA826910, AI280684, AW352433, AI298959,

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HUKCS86	2528	844245	1 - 1767	15 - 1781	AL523744, AL518418, AL532448, AL518417, AL520420, AL522351, AL523745, AL518139, BE616497, BE616605, BE733368, BE738588, BE799416, BE791749, BG260098, BE732685, BE731572, BE614414, BE730661, BE615071, AL516298, BE273481, BE900141, BE871390, BE615333, BE391259, BE615677, BG250164, BE273477, BE545185, BE868600, BF343630, BE787044, BG121292, BE311771, BE872564, BF314993, BG253624, AL516299, BF343495, BE901752, BE798255, BG177283, BE784359, BG252058, BE785642, AW966070, BE536452, BE790200, BG169715, BE888542, BG255223, BF340374, AL536080, AW245914, BF339152, AW245656, BE784381, AW378155, BF306529, AF121180, BE544651, AW604406, BE613802, AW370146, AL522350, BE547030, BE615584, BE545666, BG260825, AL520419, BE297286, BE785317, BG106890, BE889515, BE298547, AW954718, BE787356, BF307304, BE382543, BE696066, BE546574, AA522530, AW370144, BG168704, AW073128, BE696081, BE299139, BE907496, BF683301, BE785357, AL536079, W29115, BF724212, BE787716, BE544219, BF341544, AA001456, BF307862, BE548627, AA779698, BF684396, AI435833,

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HUKEA22	2529	702029	1 - 561	15 - 575	AI768894, T81961, AA778796, AW445027, AI692721, AW451656, AL039827, BE218913, AA827367, AI672409, BE218606, AW964995, AI240965, BF512195, BF515912, BE179871, AA643565, BE004534, AB037740,

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HUKEL79	2530	762857	1 - 632	15 - 646	AI200811, AI273480, AA055069, AW016208, AI867694, AI148522, AA534902, BF431437, AA946681, AA789103, AI968204, AW157475, AI308245, AI631357, AI147158, AI701539, BF063204, AI693343, AI766014, BE219048, AI248990, AW072792, AW270739, AA988740, N42555, AI653355, BE350834, AW572753, AI307759, AU145644, AI651782, AI631170, AI634428, AU153787, AU160160, AU160335, BE550299, AA834076, AI699519, AI475617, AI983108, BF592834, AI352525, AI867579, AA954040, AI765943, AI433435, BF001833, AI401138, AA806246, AI654889, AI814278, AW242151, AA454037, AW976100, AL043498, AA748166, AA700237, R51838, AI394292, AU155898, AI962791, AW418623, AW183387, AA100491, AA779116, H56156, BF002709, AA933754, AI632658, AA853481, N71927, AW467931, AI654423, BF057193, AI623190, AW004041, AW181946, AV717799, AW383482, BF476146, AI669537, AI674550, AA595598, BF028267, BF149183, AI630405, AA654813, BF770445, AW383650, AI684887, AI990184, AA055096, U70322, U72395, U72069, AF059614, AC020960, AC020960, AC008515, AC008972, AC008972, AC019104, and AC019104.
HUKEX37	2531	602275	1 - 515	15 - 529	BF326962, AW996879, and AF165140.
HUKFC71	2532	130074 0	1 - 949	15 - 963	BE378712, BF341602, AV707602, BG031712, BE266129, AA609958, BG116981, BE792230, BG035119, AV751438, BF666333, AI188204, BG256134, AA576035, BF116020, BF035496, BE542860, AA488220, N42261, BE407535, AI810755, BE220391, AA740463, AW592483, BE390292, AI735032, AI358863, AA512922, W74161, AA226209, N32817, AI074905, W31772, BF666644, AI352374, AA722666, AI684218, AI265847, AI830218, AW406347, BG149656, AA618058, AI279507, AA910358, BF679049, AI692622, BF057368, AI858044, AA488254, AI189604, AA226545, AI186453, AA504330, AA745478, AW516888, AV707960, BE645301, AI140320, AA078878, AA526293, BE392600, AU144868, BF732233, AA488167, AA521209, AI804219, AI918044, BF446053, BF310592, H40724, H46968, AA609344, AI200596, AW139530, AI373500, AA455452, AI523658, F18818, AI139576, AA908395, AA936118, BF908639, AA303191, BF590871, AI754433, BE646187, AI581489, AI086462, BF909518, AW796612, AI344465, W16486, AA488197, AI344463, AI147647, AI922977, AI348254, AI081276, AA857299, AI304803, AA831686, AI219376, AA335720, AW206542, AI348479, AW796421, AI341936, AI143196, W31201, AW072105,

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HUKFV37	2533	844644	1 - 1560	15 - 1574	AL527662, AL525578, AL527114, AL530639, AL525527, AL527971, AL530640, BE613157, BE744419, BE730254, BF974904, BG164178, BG260459, BF034551, BE741238, BF976711, BE877307, BG118709, BF981222, BF974176, BG170280, BF982815, BF033023, BE898281, BE264567, AW245879, BG168005, BE735396, BE867863, BE909093, BF219799, BE393924, BE905461, BE908482, BE901548, BE744815, BG170056, BE275013, AW954693, BF124919, BE617394, BE298595, AW575072, BF036070, BE396290, BE746927, BG165516, BE410451, AL527127, BG115529, BE616937, BG106832, BE870316, BE612995, BE548524, BE617852, BE264389, AW935158, BE617360, BE747690, BG116465, BG176553, AI885402, AW410641, BE962359, AW819594, AW575125, AW410640, BE962247, AI991184, BF976039, AW574756, AW170092, BE674969, BF115964, AW574792, AW387107, AI829944, BE676516, AI921923, AW512364, AW008540, AA745265, AI924538, AI074307, AA873160, AA465253, BF439439, AW337968, BF220187, AW387090, AA477599, AW028819, AI829318, BF437001, AA402134, BE891033, BE208227, BF034119, AI139793, AA864636, W95516, BE617598, AA857987, AA402378, AI479060, AA292270, AI005213, AI091416, AI684266, BF037640, BF037848, AW242087, AW512623, AW512911, AI336176, AI362816, BG013080, BF875069, AI075402, AI222764, AA399135, BE264829, AW363174, AA609827, AI972124, AI161220, AI538743, AA443894, BG014395, W79630, AA456798, AW474208, AI090476, N54144, BF744898, AI446095, AI096558, AI086820, AA873436, AI598268, AI609956, AW194155, BF879837, AI151109, AW934814, AI139048, AI027063, AA536177, AA488987, AW473682, AA937584, AI028016, AI805600, AI469710, F37944, AW469206, AI074246, AI187204, AW117881, AA770528, BE049246, AI434504, AI619841, BF876032, AA431854,

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HUKFY09	2534	784086	1 - 2721	15 - 2735	AW968859, AV729349, BG166696, BG109533, AW167360, AI267409, AL044039, BE771015, BE882592, AA481275, BF724809, AW964621, BF116223, AW957228, BG058493, BE044455, AI920923, BG028972, BF589265, AW968662, AW341018, BE138870, BE717076, AI803017, AI827728, AI568483, AI741238, AW205267, AA446366, BG153438, AA701544, AI096997, AI354796, BE770995, AW967837, AA133347, AI631041, AA129733, AI340006, AW068733, BF941245, AA775828, AI701159, AI743676, AA789137, AI079897, AA937783, BG055388, AI862837, AW068473, AI694192, AI678459, AI189330, AW169957, AL041504, AI813594, AW085200, AA631768, AW236635, AI190188, AA058759, AI393486, AA570016, AA028141, AA491176, AI910943, AA101174, AI298033, W40456, AA782525, AA831766, N78775, AW339110, AW628334, AA766811, AA284394, AA512984, BE328753, AA917419, BF109466, AI969188, AI185111, BE138834, AI249182, AL041503,

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HUNAL39	2535	559448	1 - 1107	15 - 1121	N64385, AW817795, AW835380, AW902139, BE393346, BG030759, AW902138, BG030748, AW844141, AW834580, BF919509, BE245825, AL134565, BF953663, BF931573, AU136138, BE408894, AW816056, AW834551, BF344952, AW834576, BF876571, BF999859, AW502127, AW881669, AI086283, AW834553, AW811905, AW886473, BF954856, AW937815, BE145170, BF964123, AW802786, AW937721, BE145121, AL138046, BE145717, AA505013, AA505002, AW853448, BE148745, AW963588, BE151171, AW834598, BF815705, AA613356, AW834620, AW834550, AL157598, BG104743, AL157534, AA598424, BF767029, AI809468, AA486944, AA296591, AV732399, AW816130, BE158629, BF929360, BF343369, AW890940, BF991141, AI920994, AW896907, BE157410, BF343443, BE143181, AV651504, BG000571, AW834676, BE565164, AW806938, BF968259, AW853657, AW811963, BF841217, AW811904, BF843550, AV750964, BE172768, BE172774, AA736433, BF727068, BE172591, H93766, AW999731, BE620370, AW811815, N23244, BE894112, AA983442, BF852806, BF999851, AW861625, AW861778, BE064249, BE144522, BF853074, BF815710, BG035655, AA838082, BF746496, AV730945, AA018943, AW935976, BF576449, BE083698, AW983779, AA375960, BE267153, BE144399, AV731374, AA129985, BG000577, BF992174, BE179746, BE781027, H77857, BE074268, BF881870,

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HUSAO04	2536	877889	1 - 1957	15 - 1971	AL520131, AU123464, AI653357, AA747428, AA622511, BE799465, BE784158, BE747257, AI761558, AW511493, AU143609, BE279116, AW237063, BE881857, BE384474, BE782452, AA625298, AI417969, AI989806, BE783020, AW964830, AA773026, BF966501, BF590565, BE388329, AW081433, BF063660, BF032640, BF939126, BF062975, AA305890, BE536992, AA460246, AU160677, AV751512, AI992092, BF593194, AA626751, AA576313, AA056478, BE243834, AV709838, AA305940, AW206260, AA447204, AI280277, BE468152, BE872682, AA719986, AA903035, AA663785, AA514792, AA069453, AA400835, AI672368, AA357075, AI420309, AI656766, AA393651, AI200199, AA463810, AA742236, BE873633, AA947985, N74113, AI208423, BG029468, AA341406, AI658738, AA056381, AA639420, BE670905, AV739990, N90490, AI861961, AW075450, AW582780, AW606631, BE844234, AW953252, BG166595, AL120719, AW838395, BE378136,

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HUSAO04	2537	870791	1 - 1957	15 - 1971	AL520131, AU123464, AI653357, AA747428, AA622511, BE799465, BE784158, BE747257, AI761558, AW511493, AU143609, BE279116, AW237063, BE881857, BE384474, BE782452, AA625298, AI417969, AI989806, BE783020, AW964830, AA773026, BF966501, BF590565, BE388329, AW081433, BF063660, BF032640, BF939126, BF062975, AA305890, BE536992, AA460246, AU160677, AV751512, AI992092, BF593194, AA626751, AA576313, AA056478, BE243834, AV709838, AA305940, AW206260, AA447204, AI280277, BE468152, BE872682, AA719986, AA903035, AA514792, AA663785, AA069453, AA400835, AI672368, AI420309, AA357075, AI656766, AA393651, AI200199, AA463810, AA742236, BE873633, AA947985, N74113, AI208423, BG029468, AA341406, AI658738, AA056381, AA639420, BE670905, AV739990, N90490, AI861961, AW075450, AW582780, AW606631, BE844234, AW953252, BG166595, AL120719, AW838395, BE378136, BG259634, BE243385, AW582447, AW575808, AI630399, BG259550, BG259545, BE785320, AF132939, AK026619, AK024057, AC008114, AC019269, and AC019269.
HUSCA09	2538	853417	1 - 1972	15 - 1986	BE731434, BE780760, BE796215, BF980381, AW854036, BG164231, AA907782, AA904282, BF530021, BF919011, AV712099, C75403, N63991, BF919389, BF919390, C75526, AA837611, AA247631, BF919194, BE935394, BE716123, AA226442, AW275432, AU157093, AW969824, AA456976, AA468505, AW963444, AA640260, AW439558, AI791659, BE439854, AI253987, AA394271, AA584655, AW272815, AI809818, AA180775, BE739074, AI281881, AW303142, AA535494, AW805539, AI884522, AI802804, BF725504, AW814024, AW162288, AV718585, D86984, AL117378, AC005288, AC005031, AP001207, AC004999, AC000026, AC002059, AC009501, L48038, D87012, U80017, AC007551, AC004785, AC020663, AP000502, AC002488, AL121873, AL121586, AC016554, AL353807, AC003684, AP000105, AP000037, AE000658, AL031666, AF001552, AL023553, AP000496, AB001523, AC008569, AC004983, AP001714, AC005773, AC010150, AC011489, AL078461, AL353777, AC004941, AL020997, AP001725, AC004522,

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HUSCJ01	2539	740775	1 - 1326	15 - 1340	BF979101, AV709325, AW469184, BF511108, BE539806, AA150364, AA236207, BF436941, AA150188, BF435328, BF435139, AI417169, AI986415, AI472773, AA812205, AI699342, AW189108, AA256878, AA905150, AI246457, AA808712, AI921676, BF028438, T17368, AA514616, AI263744, AW084726, BF734581, AA255472, AI138535, AA292484, BF911956, H53524, Z39453, D63323, AA909498, AI383278, N33845, AA236206, AA193510, AW970130, AI744083, F13101, R54121, H53525, T76933, AC002357, and AC002357.
HUSGB23	2540	704094	1 - 705	15 - 719	BF350952, BE068804, BE707038, AV690059, AA828834, AI345334, AA169245, AI689198, AA599080, AI355080, AK024996, AC008806, AC000025, AC005527, AC022148, AC005529, AC005057, AC008372, AC004089, AC008403, AP000045, AC006285, AC008392, AC005412, AC007283, AC006160, AC005015,

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					AL354935.
HUSGJ09	2541	608133	1 - 674	15 - 688	
HUSGQ57	2542	610258	1 - 1926	15 - 1940	BF228454, BF794050, AA886888, BF576050, AI922414, AW196808, BF575711, AW044240, AI076736, BF197013, AA599294, AI954433, AI640323, AW117617, AW137422, BF000029, D63213, AW966475, BF576866, BF435544, AI985086, N41297, AA384564, AA441947, H02121, AV709100, AA370750, H98134, AA195668, BF679630, AI568072, BF156024, AA174162, AW966469, AA370584, BF796544, AL132778, and AL132778.
HUSGY15	2543	759888	1 - 1512	15 - 1526	AV759702, AA311915, AW972047, AA953779, AA521381, BF241426, AW995845, AI806245, AW361598, AI911194, AI580187, AA884217, AI872423, AI859991, AI610362, BG181066, BF725463, AI473536, AI538850, AI866469, AW054964, AI366900, AI802542, AW118518, AI440239, AI923370, AI926790, BF812960, BE786043, AI886181, AI890907, AW148363, AI568138, AW051258, AI611738, AI860003, AW983832, AI241923, BF814527, AL514829, AI570807, AW026882, BG222103, AI632408, AW302973, AW268060, AI635067, AI698391, BF812938, AW983703, BG116926, AW081036, AW983691, AI889189, AI866770, AL119319, AI866820, AW148294, AI619502, AI677796, AI627988, AI648454, AI915291, BF970652, AI433157, AI702073, AA806720, BF812961, AI633125, AI868931, AW152182, AI524671, AL513913, AL514843, AW008353, AI433976, AI288305, AI308035, AW983829, BF795712, BG257535, BE963035, AI521596, AI640704, BG110517, BG260144, AI609409, BF817402, BG029667, AI624293, AI499463, AI559586, AI963846, BF727091, AI554821, AW858243, BG252929, AW151136, AI539771, AI932794, BE897632, AI537677, AI494201, AW051088, AI500659, AI824576, AI815232, AI801325, AL515195, AI500523, BF812438, AI499963, AI270706, BE885490, AI582932, AI923989, AI284517, AI500706, AI491776, AI445237, AI620003, AW151138, AI521560, AI500662, AW172723, AI284509, AI889168, AI440263, AI564719, AI866573, AI633493, AI434256, AL514773, AI270183, AI805769, AI888661, AI284513, AI587606, BG031815, AI888118, AI613038, BF528717, AI436429, AI889147, AI889376, AI371228, AI921248, AI440252, AI670009, AL047422, AI620089, AI866786, AI696570, AI610557, W74529, AI569975, AI634345, AI887499, AI471909, AW086113, AA449768, AI635467, AA641818, AW167021, AI670002, AI620284, BF868489, AI564259, AL513977, BF982923, AI591420, AI687127, AI590227, BF792961, AV743631, AI648509, AI352497, AI651840, AW131294,

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HUSHD41	2544	866498	1 - 2562	15 - 2576	BF975230, BF683936, BF972280, BG177292, AW571669, AW276243, AW452044, AW450817, AW080419, AI523987, AI357545, AI223336, AW953367, BG056723, AI421911, BF507478, AI364803, AA354094, AI937821, AI699989, AI624920, H45305, AA251791, D19672, AA922638, AA444017, AA443995, AI655588, AA928313, AA339800, R74251, H45245, AI433894, BE293485, AI023763, AI040104, AI949593, AB046039, AP000763, AP000763, and AP000763.
HUSHK65	2545	847188	1 - 6691	15 - 6705	AU118183, AU118665, BF115928, AU132493, BE879879, AI741712, BF116220, BF590208, BF206819, AW194977, BF058123, AA775455, AI819729, BF112082, BE856768, BE856756, AA127691, AI760642, AI419870, AA099129, BE383584, AW297737, BE218878, N47688, AW473131, AA057388, AA683489, AI831261, AW881091, AI191464, AA931763, BE549811, AA702145, AW298292, BF111985, AA047104, AW008471, AI478485, AI143087, AA034447, N90777, AI797608, W72221, BE644689, AI129223, AI150714, AI934906, N54402, H99253, AW085755, AW029384, BF059616, AW880832, AA057640, AI241539, AI394589, N29046, N28005, AI139365, N21345, N46649, AI363151, AI761556, N79568, AI818035, W19201, N20176, AI480190, AA703696, N34554, BF918682, W92085, AA234942, H29681, AI023775, BE465754, BE218527, AI984281, AI168358, N20668, BE746232, AA862846, AA644365, H98775, AW207126, AI272809, N26125, W77965, AA418398, N31777, BF088496, AI090568, AI752094, N33546, N53300, AA047241,

					AA057680, N31684, AA418495, AI283701, N24184, AW886108, AI360042, BE833906, AW369652, AI277679, N29077, N30533, AI492161, N26156, R99592, W16605, AI673532, R19850, BF365464, N20808, AI457533, BE674312, AI764961, AA156964, R61144, AI124041, R99697, H97683, N31512, AA486096, R98621, N23497, AI091105, AI130881, AI752095, R99444, AI401234, AI970658, AA099166, AI564816, AW612814, W92118, BE833933, BF919960, R23539, AW297512, AW297408, BF763331, BF431063, AW880947, AA724297, AW880829, AA599995, H52434, AI673230, AA127790, BE833936, BE833932, AI092811, H89784, H89687, AA463360, W16999, H51139, AA081096, AI919601, AA857005, AW884885, AW880836, BE833935, AI434215, BG054626, AI351435, BE833943, W45267, H72110, AW339798, N24408, AA295257, AA377802, AA486159, AA298424, AW297821, H29595, AI282185, AI147043, BF087751, N36627, AW137808, AI274033, AW298745, BG231793, T74891, AW449732, BE833930, N25760, BF115581, R67834, N48154, AI207144, AI301764, AA628558, BG036067, AI971868, T96296, AW294313, AA373689, AI333804, AW886714, AA976518, R44289, T35750, AI276217, AW900171, N41524, R61862, H99620, N34920, BF754145, BF732653, R67833, N26379, H01050, Z42070, T96297, AA046600, AA055473, T99900, AA974775, AA081254, AW881860, AW351434, BE504942, AA621145, AA360837, AI696272, AI707913, BF086741, AI718749, AI127943, BE670072, AI474260, AA258408, BF436683, AA009871, AW294130, R36523, AW297619, AW296186, R98622, BF940509, AI919413, BF511675, AA361970, AC007561, AF016098, AF022860, AF022859, AF280544, AF280545, AF280546, AF022855, AF022856, AF022861, AF022854, AF022857, AF022858, AF016297, AC007362, AF281074, R37519, H01803, H72212, H89721, N25995, N44559, N47687, N50190, AA046728, AA126383, AA255756, AA627411, AA828181, AA093313, AA234943, AA463866, AA479309, AA479410, AA703467, T16994, Z38353, and Z42090.
HUSIK45	2546	853932	1 - 1401	15 - 1415	BG120786, BE874219, BF382244, BE566989, BF106051, BF540740, AI955244, BF431256, BF029862, BF130237, BF031915, AI031927, AW955664, BF770314, AI818579, AI086765, BF239706, AI298226, BF382551, BF109411, AA714566, AA829068, BF209498, AA894447, AL047103, AA826215, AA935581, AA856833, N22620, AA330112, AA554879, AI587354, AV659467, AI378756, AW853805, D62365, D62126, D62182,

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HUSIO57	2547	886206	1 - 911	15 - 925	AI859297, BE383156, BE732153, BE384854, BE736656, AI819813, BE384900, AW301122, AA625654, AA610590, AI601169, AI521678, AA770693, BF970430, AI148402, BG166253, AI797531, AA043176, W56364, AA399245, AI224414, AA412225, AA760787, F25596, AA044224, H49207, H49393, AA044343, AA483644, F35724, W56338, H41195, R83432, H46471, H45052, H46298, T71570, R45220, H46110, H47011, H41194, AA810028, H46033, H50393, R00715, AA593682, H50355, Z40409, AA043175, H45090, BF802334, Z44510, R24958, AF151901, AC037465, AC037465, AC037465, AC018785, and AC018785.
HUSIP17	2548	608647	1 - 685	15 - 699	AI289386, BG259587, AI431323, BG122277, BG111590, BG167830, AI798359, AI924051, AL514791, AI500523, AI538850, AI887775, AI582932, AI284517, AI923989, AI872423, AI590043, AI500706, AI445237, AI491776, AI289791, AI926593, AW151138, BF811804, AI521560, AI889189, AI285417, AW151974, AI500662, AI623302, AI284509, AI539800, AW172723, AI582912, AI538885, AI440263, AI889168, AI927233, AI866573, AW058275, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI436429, AI859991, AI889147, AI355779, AI623736, AW194509, AI581033, AI371228, AI431307, AI491710, AI440252, AI872315, AI440238, AI697243, AI567971, AI866786, AI610557, AI860003, AI431316, AI242736, AI828574, AI539260, AI887499, AW151979, AI431238, AI539781, AI889191, AI702065, AI539707, AI885949, AI285419, AW089557, AI559957, AI521571, AI469775, AI866581, AI567953, AI815150, AW074057, AI446495, AI867068, AI952433, AI866691, AI801325, AI225248, AI358271, BG029128, AI932620, AI698352, AI282249, AI371229, AI371237, BE885490, AI815232, AI866458, BG166490, AL047398, AI890472, BE883591, AI434222, AI624681, AI554821, AI866465, AL514209, AI828585, AI434229, AL513647, BE779152, AL047422, BF796402, AI476694, AI815239, AI500659, BF726204, BE622452, AI804505, BF812963, BG116926, AL514833, BF337604, BF345716, AI702062, BG027368, BF530630, AI494201, AI499535, BG261116, AI537677, AL048951, AI804524, AL513983, AI440260, AI432644, BE897632,

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HUSIR70	2549	838163	1 - 1222	15 - 1236	AL526850, AL526820, BE795841, BF792949, BF036122, BE880934, BG251998, BE893579, AV712345, BE906587, BF689193, BE256963, AL526060, BE881392, BE964987, BE385913, AW960397, BE747698, BG236341, AI032386, AI125617, AI754666, BF343485, AA179549, BF344744, BE879755, AW876811, AW410336, AA287697, AA775837, AI140761, AI884917, AW005061, AI754907, AI435846, BE395657, AA179409, AA709451, AW162623, AA308436, AA552922, AA130982, AI199766, AI928052, AA604095, AA630255, BE745980, AI064790, BE896123, AI827124, BF593966, BE301056, AA725395, AI954895, AA190882, AI142022, AA468905, AA602522, AA908661, BE047817, BE205857, AI750996, N40320, AA256171, AI744976, AI333054, BE257257, BE746804, AL526007, BF738998, BF696999, BF736575, AI683509, BF032887, N32975, AA455403, AW872811, AA604721, BE740430, AI750686, AW262641, AA256230, BF736574, AI041566, AI797305, AA737976, AI624186, AI858904, AI128163, BG167584, AI289038, AA172072, T15970, AA774045, AI866633, AI460134, H56016, AI208259, BE727215, AA644404, AI367810, BE301051, AA694445, H47768, BE246011, AI598082, AI205248, D53267, AA190850, AA932982, AA130977, AA172232, AI811737, W63689, BE468239, T30196, AI041229, BF904072, AA861665, AA164222, BE901587, AI880574, BF958860, AW057645, AA975875, AI091229, BF761775, AA632936, BE082047, AA057572, AI215900, AA164221, H94409, BE045086, AA243691, H12669, AW068326, AA478826, AA479994, BE045102, AA814694, T08377, AI904545, AA715150, AW083911, R37399, BF904058, BE044984, BE292811, AA478948, BF475721, T73292, R62443, AA989411, BF891529, AI961461, AI810794, AW897867, BF768825, BF980742, R63990, T90361, T55377, BF893923, AA974843, BF893175, BF773199, AA374277, BF893176, T84396, BF891499, BF768813, Z19171, BF892414, BF853058,

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HUSXP50	2550	561962	1 - 399	15 - 413	<p>BE933735, AL514793, AL515375, AL514731, BG260037, AL514701, AL514885, AL514129, BE047852, AV681902, BF793187, BE887982, AL514829, AI312428, AW103371, AW827228, BF089711, AA225339, BF970449, BF792961, BF904258, AL135025, AL036146, AL513961, AI815855, BG249582, BE729660, AV686346, BE895585, AI340582, AL513763, BG151247, BG108324, AI538085, AA427700, AV727226, AL514929, AI539808, AW946806, AA640779, BG026746, BG179993, AI313320, BG110517, AW105601, AI475394, BE047737, AI571909, AI569583, AL036631, AL036403, BF792469, BE889178, AI537677, BG180996, AI308032, BG058398, BE048135, AV723772, BG030364, BG105895, AL047042, BE048071, BG110684, AW827206, AI802542, BF752252, AI564247, AL079963, AV716568, BE048087, AL119863, AL036901, AW071417, AW151138, AI872545, BE966188, AI345735, BG036846, BF339322, BF812933, BG030785, AW301505, AL135727, AA572758, BE965192, AV681586, AW806761, BG165051, BF527014, BF924882, BG112718, BG109270, BE047952, BF348329, AI872711, AI289937, AL040243, BG180034, AL135661, AL045266, BF343172, BE965432, AV746964, BG168696, BF751308, AI349004, BF882343, AA508692, AI554344, AV723953, BF812960, AW074993, AI800453, BG031815, AI800433, AI521012, BG118829, BE964812, AI633419, BE966388, AI824746, BE047606, AI280747, AV721967, AL036802, BG026428, AI312152, BE544111, BG257535, AW169653, AA470491, BG257920, AW150578, AL514803, BF968205, BF885000,</p>

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HUSXY93	2551	658733	1 - 625	15 - 639	AA180188, AI568265, BF750806, AI142552, AA180498, AU157319, D79888, D61752, AI313467, AW589289, AL513597, BE875713, AL121270, AW827211, BF883916, BF968493, AV711509, AV682074, AW071349, AL515173, AL515041, BG260037, BE047863, AI349772, AL121365, AV757737, BE048026, AW827203, AL513907, AI064830, AW268253, AL036146, AL047042, BF971016, AV763915, BG168696, BF054789, BE785905, BG058208, AL513803, BF726421, AL514919, AL119049, BE048081, AV681668, AV682466, BE048071, BF724691, AV655645, BG108324, AL514627, AI868831, BE964812, AV681951, BF795712, AV710479, AL135661, AL119791, BF793187, AV733397, AI608667, AI436456, AV708119, BF970162, AL040169, AV681630, AV682330, AV758822, AV682252, AV758592, BE048163, BG179993, AW303152, BG108147, AI687376, AI349645, AI500077, BF793644, AL045500, BF791874, BG110797, AI815383, BF343172, AI567351, AV717299, AV729890, AI349004, BG036846, AV682476, AW089572, AW162071, AI433157, AV758110, AV682809, AI440426, BG151247, AL036396, BG250190, AL120854, AI521012, AL514691, AL515047, AV682249, AI207510, AI433976, AV682772, BE965095, AV756393, AI312152, BE887488, AL047763, BG257535, AL046849, BE964700, BE048179, AI349937, AV734318, AI873731, AV681857, AV758179, AW074993, AV758217, AI687728, AL513553, AV757598, AL513911, AV723772, AV756122, AV758806, AV764282, AV755290, AI568870, AI285735, BG259801, BE877769, AV682222, AV756477, AI702406, AI538716, AW117882, AV755613, AV729334, BF969494, AV704928, AV682441, BF673434,

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HUSYG26	2552	709709	1 - 730	15 - 744	<p>BG251809, AI380185, BE856114, AI654549, BE139193, AI656314, AI654829, AI783769, AI656635, AA853364, H54036, AI968574, AI799978, BF821711, AI831492, AW009524, AW858522, AL038878, AL045327, AL135012, AL134524, AL045328, AL042898, AW207831, AL047163, AL045891, AL047611, AW601637, U46344, AW979234, AW577201, AW577199, AL043089, AL043321, AL134110, AL042655, AL042488, AL046356, AI431321, AI432644, AI431307, AI431316, AL042802, AL043239, AL047037, AW975391, AL042515, AL047092, AL042931, AI431238, AI432666, AW971301, AI304382, AL041862, AL043091, AL042533, AL042853, AL043196, AL119324, AW979127, AL042729, AL042787, AW970540, AI432653, AI431323, AW976043, AL079977, AI440238, AI623302, AI926593, AL040207, AW975657, AW973652, AI567971, AL047675, AI539260, AI610557, BG252929, BE897632, AL040459, AI500658, BF084778, BE883591, AW969988,</p>

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HUVCQ68	2553	561963	1 - 664	15 - 678	BG169321, BG258652, BE539719, BF663612, AV759029, BF239202, BF056223, AV716151, BG254787, AV759032, BE265426, BE561524, BF344287, AW274631, AV715869, AV716258, BE395535, AW602195, AI784535, AA994106, BF590282, AI813617, BE545672, AV761057, AI743389, BF839256, N90862, AI277996, AA906652, AV738454, AI313268, AA469453, AV735720, AA526368, AV749084, AI079353, AI087923, AV739098,

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HUVDG58	2554	895443	1 - 2771	15 - 2785	BG109143, AV756057, AC012312, AC012312, and AC011205.
HUVEG53	2555	797556	1 - 2149	15 - 2163	BE386016, AW958825, AI924134, AA847884, AI290465, AA149630, AA825487, AA149634, AA128265, BF849323, AA149498, N36935, AA744599, AA744600, AA825175, AA306759, AI280357, AA253422, AA789124, AA128306, AI222734, AA361836, AI298984, AW876085, AW028634, AI916423, AI382702, BF542170, AA149502, N46208, AA779865, T52521, AA046646, T52599, AI817864, AA993703, AA158418, BE385026, AF282265, AL121585, AC016526, AA252884, AP002793, AC021454, and AC021454.
HWA AH11	2556	815548	1 - 1264	15 - 1278	AL535070, AL533539, BE748937, AL527179, AW083127, AW327290, BE205822, AI798681, AW410645, BF063649, AI797284, AW183981, AI096678, AI092936, AI144400, BE867172, AA236980, BF035835, AI685511, AI860643, AU146089, W46771, AI074319,

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HWAAQ28	2557	806588	1 - 1635	15 - 1649	AL522894, AL519650, AL522935, AL533662, AL522936, AL516787, AL529748, AL516786, BE747239, BE617640, AL519651, BE900926, BE253756, BG107583, AL522224, BE796747, BE408146, BG032407, BF984483, BG106698, AL522223, BE902939, BE882144, BE901801, AV716026, BE903519, BF795428, BE788045, BG259257, BE744493, BF796663, BE870681, BF531083, BE735617, BE780655, BE745064, BE780676, BE782159, BE616997, BF574609, AW363345, BF690512, BG259249, AV733450, BE541553, AW857780, BF033038, BG027712, BE298540, AV734792, AV701418, BE297543, BF306362, BE273544, BE389895, BG027225, AA778572, BE278438, BE259346, AW411199, BE785598, AV762649, BE882851, BE789480, AI859450, BE276662, BE882706, BE935907, BF129054, BE548402, AA313653, BE893454, AW578901, N25766, AA147730, BF974999, AV701113, BG120751, AA557185, N53489, AA402500, AA176091, AV737877, AV701039, AA148269, AI291236, BE540583, BE871734, AI338866, N41826, BG026635, BE246137, BE167827, BE778520, BE735402, AA148268, W84337, AA775692, BG121372, BE501636, AW673432, AW411200, AW169109, AW792918, AA399165, AW403612, BE674822, AA310007, N20938, AI754518, AA147927, AW148838, BF689607,

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HWAAY60	2558	745917	1 - 1713	15 - 1727	AL530992, AL530991, BG251146, BE395713, AW955083, AI685470, BF037254, AW195758, BE395793, BG167395, AA477698, BG255897, AW025151, AA206118, AI684900, AW071954, AI042479, AI076835, AI052688, AI925453, AW299605, AI638447, BE551207, BF194856, BG149868, BG057307, AW299615, BE896641, BE392847, BE546040, AA477699, AL526556, N41705, W85698, BE007568, AI014560,

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HWABR43	2559	823367	1 - 2300	15 - 2314	AI240662, H52198, H52199, H47421, H47334, H63365, AW500029, AW503420, BF681619, AV710482, BG236628, AW504485, AI732151, AA574442, BF768846, AV758790, BF677892, AA610509, AA402129, AI357823, BG029224, AU152561,

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HWACH06	2560	799620	1 - 1147	15 - 1161	BG112811, BE540349, AU160354, BE877776, AW964647, BG248203, AW080842, AI126237, AI738708, BF437231, AI288602, AA033525, AI200312, AA410504, AW293916, AA033526, AA070152, AW182578, AW674004, AA961647, BE049558, AA808104, BE301368, T82022, AA410505, AA884100, AI635980, AA580797, AA748547, AA322668, BF811398, T71568, AI004853, AA975024, BE093091, BF871651, BF128606, AI674097, AA988905, BF804322, AL137420, AL133609, AK025653, AK024038, AC016642, and Z94722.
HWACZ33	2561	827311	1 - 1448	15 - 1462	AI992047, BE247516, AI380304, BF848604, BF872804, and BF872803.

HWADV90	2562	897732	1 - 2379	15 - 2393	AI793141, AL042110, AA682890, AI268385, W46143, AW294829, AW517042, H12201, BF511080, AI027880, W59940, AA284296, BE300890, AW572488, AI277625, F02781, H16962, BF243115, AA558997, W59939, AA026524, AA584482, AW069762, AI080618, AA577906, AW955706, AA593471, AI792578, AU152722, AI054419, AI919265, AW327624, BF678990, R15790, AL037632, AA583394, AA651639, AI284640, AW407578, H14377, AW960468, AI580250, AA533176, AV762979, AA469327, AW675551, AV756848, BF991208, AV755512, BF934742, AV710482, AW021917, BE908602, AA191418, BF681619, AL048925, BF839800, AV761156, AI243789, AA574442, AI872216, AA904275, AI371429, AW020088, BE150580, AI357823, AA078849, AU147529, AA610509, AW970915, BE393367, BE968744, H15652, BE085098, AA528546, BF849430, AI306028, AW969928, AI339845, AA134335, AA829065, AW022897, AV763847, BE019467, AW438542, AW979096, AA229975, BF965775, AA749235, AW327591, BG236628, AL079734, AW069227, BE883893, AA644090, AI732865, AI056177, AV715301, AV728912, AI862716, AA682912, AW970078, AW021583, AW963117, AP001761, AP001478, AC002055, AF270529, AF229525, AL078621, AC004908, AL031259, AF327129, AC009410, AP001724, AL117345, AC008555, AC025809, AP001695, AL391867, AP001760, AL136137, AL163280, AC005020, AL049871, AC005186, AC006961, AP001688, AP001671, AC006150, AC020912, AL365475, AC005304, AC027269, AJ229041, AC011288, AP001694, AL035704, AC002492, AP001727, AP001698, AC007969, AL163248, AC020754, AC010605, AC021999, AC002994, AC007298, AC009303, AL137141, AL159977, AL031432, AP001699, AL133467, AL157688, AC009123, AL163301, AC005047, AP001435, AP001715, AL121869, AP000704, AC022448, AL163278, AP001707, AP000566, AP001706, AC004887, AF131216, U91323, AC007677, AP000246, AL133379, AC007225, AP001596, AC006231, AL356103, AP001696, AC004963, AP000008, AP000036, AJ252312, AP001710, AL022329, AP000099, AC020647, AJ252311, AJ252313, AL442167, AP001676, AP000093, AC002456, AC015971, AL163285, AC010209, AC007883, AL135746, AP001700, AP001601, AP001730, AP001689, AC006210, AC012000, AL133243, AC017002, AL354766, AC011890, AL031431, AP000237, AP001678, AL357519, AC008556, AP001254, AL021368, AC009405, AC005539, AC022212, Z95152, AL121975,
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HWAEB52	2563	873207	1 - 2179	15 - 2193	AI657485, AL532472, AL532471, AU123421, AL040049, AA152049, AW960660, AI123690, BF724895, BE890141, BF569925, AI671820, AW959495, BF590288, BE646576, AW779655, AA524015, AW015538, AI743339, AA398719, AU159563, AW058623, AI675998, BG248946, AI858508, BE782389, BE547088, AI638603, AU150408, BE710171, BF196797, AI640308, N23869, W92992, W68625, AU154693, BE169553, AW994753, BE813521, AI671374, AW516075, BE813670, BE169351, AW518935, AW771500, BF063773, AI668815, AI738979, BE169552, BE546935, BE169730, AI743066, AI306547, BE932233, AI867416, BF224229, BF087906, AI636926, AA149820, AI339396, BE883189, W68626, AI475630, AI937656, AI808394, AI936620, AI268424, AI470087, BE217978, AA203500, BE710141, AA055470, BF995655, AA602512, AI085310, R69944, H66476, AI745272, AA749312, BF745582, BE932304, AI189504, BE813728, AA305216, AI147197, BE813697, N51913, AV706826, AI769119, AI699496,

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HWBAK71	2564	853581	1 - 358	15 - 372	<p>AV705433, BE877146, AV654282, BE881230, AI557222, AV725709, AI064816, AV756682, AV702947, AA467922, AA469321, BE876183, BE878467, AV715748, AV727472, AV757055, AA467864, AV726503, AV717185, BG222560, BG222322, AV662257, AV705443, AV729255, AV726938, AV701879, AV724819, AL047841, AV725529, BF942332, AV706584, AV759547, AV692176, AV707611, AV759063, AV758197, AA533928, AA467862, AV738071, AI698669, BE877083, AA467872, AV653804, AA467983, BE877078, AW243938, AV729339, BE875275, BE880733, BE873792, AV691890, AV722499, AA657843, BG231240, BE874492, AV728243, AV762317,</p>

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HWBBU75	2565	780360	1 - 2717	15 - 2731 BG254332, BG258993, AW189216, AW189167, BG110226, AA621650, AI524238, AW027302, AI085248, AI187104, AJ403112, AW129561, AA287508,

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HWBCN81	2566	853580	1 - 2769	15 - 2783	BF836038, AW473927, AW966643, AV761676, AU151751, N70293, AA568311, W04238, AA630476, H15679, AL121039, BG180320, AI702049, AW264548, BE328286, BG059139, AA568303, AI200051, AV761486, AW265468, AA720582, BE043339, BF530611, AW151247, AI801563, BF876261, AV759089, BE875478, AU160445, AL041924, AW957502, H60912, AA493546, BE161469, AV683406, AA845690, AI590404, AW410844, AI760835, BE794230, BE045167, BF804385, AA810158, BE154381, AI572680, AI174703, AA489390, AW192930, AW571716, AW820105, AI792623, AI732720, BF034649, AW819483, AI927275, AA298365, AI267285, AW631267, AI078409, AA557945, AI753567, AI744963, AI049643, BF740656, AU159614, AI734119, AW976008, AA584360, R23873, H90845, BE042511, AA595661, BF970107, BG231195, AL048969, BE747923, AI791856, AW389929, BF913232, AV706458, AA653513, AA568433, AI247128, AI733523, AV760466, AW072963, AA610381, AA747234, BG122782, AW963489, AL109658, AC011495, AC008014, AL162573, AC009731, AC009123, AB003151, AL050335, AC013434, AC004499, AL391097, AC020750, AC010150, AC002558, AP000692, AL031733, Z73967, AC004025, AC016637, AL138919, AL121886, AC005519, AL133548, AF061032, AC027319, AL121753, AC007381, AL109984, AC005696, AL034429, AC002054, AL356244, AC004883, AC005484, AC011510, AL022322, AL080243, AC005015, AL445248, AC004858, AC018639, AL162615, AL139095, AP000689, AL109804, AC002366, AC004840, AL078581, AC004554, AC008753, AC007664, AL133215, AL135749, AC009953, AC005907, AL138832, AC005551, AC002115, AL139099, AP001721, AF001550, AC022407, AC009194, AC008018, AL354889, AL133245, AC005218, AC009116, AC004824, AC008651, AL109797, AL157951, AL445435, AL121601, AF134726, AL121899, AC000353, AC016830, AC087089, AC006137, Z84484, AC020552, AC006141, AC011450, AC005391, AC005828, AL138756, AC006205, AL358975, AF109907, AP002015,

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HWBCP16	2567	647378	1 - 611	15 - 625	AW243699, U73479, AL135909, and AC069270.
HWBCX93	2568	853418	1 - 817	15 - 831	AW957665, AW075995, AW576203, BF339246, BF308177, BE881903, AI051657, BG059809, AW058408, BF689190, BE868083, W56301, BE301190, R05745, AA102223, AI091799, D61582, R01123, AA102222, AA375163, AI752483, AA376452, AW084324, AW275432, AI439525, AA661583, AW238137, BF812696, AW151541, AI828721, BG258103, BF309372, AI039257, AA631915, AW162314, AI049999, BF679568, AI702049, BG059139, AW243817,

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HWHHA21	2574	638966	1 - 681	15 - 695	AW300079, W69650, AW291010, AF086289, and AF005080.
HWHPU44	2575	778090	1 - 857	15 - 871	AW276035, AI052543, AI269844, F26678, and BE705973.
HWHRC51	2576	853421	1 - 829	15 - 843	AV699657, AI672389, AU146627, BF475506, AI767322, AW953696, AI828672, AW953697, AU155457, AA553619, AI866742, AA808077, AI367812, AW022647, AW022875, AW957432, AA602347, BE182281, AW265509, AA640875, AW026601, C18790, AV721217, AA224926, AA651901, AA224835, AI581427, AU155347, BF883894, AA503350, AW612118, AW020289, C06444, AI023252, AW020357, R52941, BG223355, R53723, AA631489, AA353335, AI873340, H86877, AA632732, R79085, AA825730, AI784551, AA432003, AA936640, R78782, AI610979, AI832137, AA618185, AA808914, AA640349, AA947260, D63288, H86813, AA731390, AA494280, AA349142, BE676991, BE000573, BF061245, AA613341, AA302655, AV659756, R31243, AW265313, AV652132, AA563943, AV652191, AA381288, BF980434, AW265736, BF576873, BF928764, AI936025, AA551180, AV735034, BE972238, N99348, AA876590, BE092445, BF843805, BF693632, AA366513, AW026600, BF325835, BF325829, AV689224, BF325822, BF325820, BF325838, AC000353, AF001893, AC004000, L78810, Z75889, AB014084, AC004207, AP000515, AL161415, Z98255, U95741, Z93403, AL138914, AC000353, AC000353, AC000353, AP000441, and AP000441.
HWLAT50	2577	840753	1 - 2959	15 - 2973	AU124961, AU125676, AU117401, AU124066, AU142794, AU120366, AU124113, AU120456, BE877005, BE740295, AU141338, BG167721, AV714367, AV714673, AV686436, AU142175, BE304981, BE881100, BE250110, AU134181, BF025751, BE895076, BE622248, BE409732, BF530437, BE620787, BE745726, BE907256, BE733942, BG177013, BF683520, BG260709, BE272337, BF791820, BE740837, BE871431, BG249189, BE513215, BG104424, BE273992, AV717006, BG181090, BE747751, BE882158, BG117384, BE562622, AV705499, BE274707, BE742907, BE410659, BF338712,

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HWLBO67	2578	834315	1 - 522	15 - 536	AC011739, AC011739, and AC011739.
HWLGP26	2579	834770	1 - 1884	15 - 1898	AL529987, AV699741, BF530871, AW207742, AI638032, BE540656, AI469103, AW575118, BE503442, AI652512, AA928729, AW592532, AI419960, AI057140, BF102699, AI365238, AI392687, N49757, AA832314, BF819685, AI025113, AI767982, AA766124, AU151363, AW402473, AI654109, AW070683, AI738949, AA815032, BG231904, AW578625, AI365240, AV688777, AA769270, AW613566, AA605050, AI459543, AI885560, AW361738, AV689923, AA046663, BE242932, BF895261, AA507121, AA046576, AI627311, AW296010, AA814924, BG253328, BE789823, BE243489, AA298793, AI458707, AI208523, AA694217, BE247085, AW137352, AV689313, AA077726, BE241524, AL523598, AV685517, BE241950, AV697781, AV691130, AV688018, AV697631, N52685, AW182301, AA910584, AA126044, AW390687, AL529988, AF176097, AK023002, AJ131891, and I25644.
HWLHO31	2580	837480	1 - 1687	15 - 1701	BF727430, BE379599, AW238333, BE380022, BF091252, BE832321, BF091254, AI033829, BF217856, W86466, W73267, BE728037, BF380085, AA346592, W86465, AW810953, AF279865, and AB001430.
HWLIL31	2581	793698	1 - 773	15 - 787	AI139990, AI961465, AA724414, AA582139, AI922007, AI635251, AI675404, AA626226, AI081214, BF084927, BF084935, AL134524, AW861944, AW858525, AW973214, AW858455, AW858526, AW970927, AW970107, AW972849, AW968196, AW979151, AW975212, AW979264, AW969785, AW970959, AW975037, AW975961, AW970101, AW969825, AW973185, AW973166, AW976023, AW971403, AW972292, AW975032, AW973957, AW975434, AW975959, AW969655, AW969626, AW975031, AW969780, AW969848, AW970025, AW979212, AW973219, AW969631,

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HWLJN08	2582	800626	1 - 1016	15 - 1030	BE300001, BF309344, BE300104, BF111874, BF968540, BE790918, AI076943, BE905154, BG166354, AA447420, AW675708, AW732847, BE295220, AI800955, AI204057, AI083659, AI248992, AI184659, BF204818, AI866483, AV752565, AA677077, AI149422, AI160393, AW339819, AI362801, AA442134, AA918843, AA035216, AA865237, AI082597, AI591234, BG164319, AW074181, BE048273, AA983292, AA443434, AA148610, AI497928, AA971924, AW103005, AI017651, AA807948, AW732861, AA909975, W68840, AA443301, AW025275, AI299836, F24136, N80272, AI056188, AI743407, AA442133, AI817457, AA563798, BF305961, F33099, AA491148, F30260, N94975, AA599349, AA062929, T78326, AA447419, R28029, AI936185, R96685, AI913023, AA854576, R28145, F18276, AW664849, W67311, AA312862, F25535, BF767154, T78708, AA148609, AW879578, W07400, AL119324, AW877209, AL134524, AL119457, AL119511, AL119399, AL042544, AL043152, AL043168, AI431323, AW858522, AL042382, AW970048, AL135012, AL043089, AW858525, AW858526, AL043321, AL042488, AL045891, AW861944, AI432644, AL042898, AI431307, AI431316, AL046356, AL042515, AL043091, AL079794, AL045327, AL047611, AI432666, AL041862, AL047163, AL042853, AL042729, AL042787, AL043239, BE883591, AL040207, BF525578, AI431238, AL047675, BG166654, AL038878, AL042655, AI432653, BG110517, BG113493, BG029667, AI567971, BG252929, AI371243, BE897632, BG164558, BE891834, AL042533, AW858455, AI866786, AL045328, AI433157, AI648567, AI690946, AI432656, AW151136, AI366910, AI539771, BG257535, AI537677, AI494201, AI500659, AI866465, AI815232, AI801325, AI500523, AI538850, BF796402, AI887775, AI582932, BG027628, BF338002, AI590043, AI923989, AI872423, AI284517, AI500706, AI491776, AI445237, AI289791, AW151138, AI440238, AI889189, AI521560, AI500662, AW172723, AI582912, AI539800,

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HWLRE03	2583	831198	1 - 2756	15 - 2770	AL534216, AU124415, AL534215, AU124249, BE793898, AU132166, BE792345, BG111555, AV688850, BG171107, BG028492, BF969425, AI801432, BG108221, BF338327, BF663592, BE619881, BF746890, AW965641, BG122860, BF665525, BE788680, BE003409, BE905238, AU137278, AW151135, AU128897, BE884319, AW262132, BE384410, BF742797, AV710041, AW769142, AW517359, AW338005, AW373588, AW468740, AW024843, BE619266, AU128495, AU151118, BE619730, BF690080, AI937477, BF331576, AI660064, BE963856, BG114091, AA536151, AU153751, AU152127, BE716089, BE716103, BE905313, AI624934, BG122469, BF591733, AA614338, BE716050, BF212934, BF436427, BE091534, AW374908, BF690005, BE716084, BE619170, AW024853, AI056781, AW579072, AI018651, AA316213, AI885775, AA701904, BF769669, BE273759, AW072631, AW438832, BF090279, AA718962, AW068084, AA693953, BF997218, AI139494, AI660421, BF997182, BF888379, BF770032, AA664290, BE716120, BF770040, BF918375, AA522683, T66125, BF695272, AA862983, AA428398, AL046516, AA972193, AA748129, AA504220, BF381340, AW136037, AI348174, BF769655, AA442961, AV684332, AA459911, AI873944, BF930962, AA497104, BF923552, BE716094, W87301, AA161216, AI372983, BF770037, AI828291, AA045068, AI056779, AA100277, AW068172, AW516076, AI244381, AI286345, AU124139, BF770006, N63176, BF985698, BF923559, AA350408, BF888406, BF769993, AA081089, AI352530, BF091975, BF769671, R52005, AA431627, AU158647, AA100326, AA368310, AI125481, BE004008, BF349060, AA496940, AA578753, BE812515, AA350409, AW410891, AW190017, BF768918, BF155861, AA398870, BF767919,

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HWTAM38	2584	602274	1 - 584	15 - 598	BF516514, N94326, AA827238, AA921725, AI671598, AA766820, AW188348, AI692659, AA664123, BE219817, AI824114, AI346940, AA743541, AW469089, AA858171, AA507413, AA857721, AW594160, AI765481, BE720623, AI269812, Z38498, T39272, AW959868, AV701728, AW960977, AV703989, AW951562, AW954235, AW950395, AW954006, AV655280, AV661704, AW952168, AW950443, AW954001, AW952323, AW952196, AV660258, AV726590, AW959823, AV661286, AW965720, AW963446, AW952167, AW951536, AV697880, AW953619, AW962978, AW958295, AW966055, AW952046, AW959830, AV706076, AW959986, AW955161, AW960629, AV705416, AW949731, AW958796, AV705684, AW950241, AW949517, AW949441, AV728652, AW960456, AW962392, AW963949, AW954211, AV709356, AW954237, AW965557, AW966539, AW961597, AW952419, AW965839, AV725393, AW951772, AV729473, AW957997, AV725255, AW965759, AV659322, AV727618, AV704234, AV709880, AW964860, AV725386, AV706223, AW952301, AW952592, AW960143,

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HWTAW58	2585	793424	1 - 2292	15 - 2306	<p>AU121246, AW965213, BE888880, BF969472, BE018770, BE538301, AW298151, BF439504, N63911, AI150685, AW276258, BG166820, AW084531,</p>

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HWTBB42	2586	603089	1 - 77	15 - 91	AC004985, AC004985, and AC004985.
HWTBC75	2587	855978	1 - 685	15 - 699	AI972322, AA193309, AA528241, AA527684, AW235706, BF439445, AI436191, AA290870, AA890512, AA767452, AW299850, AW137415, AW089851, AI056055, AI023887, AI090024, AA041239, AI418205, AI808670, AI580941, AA283713, AI400431, BF110940, AI130923, AA040801, AI056706, AW295892, BF002797, AA917434, AI078176, AA218890, BF063099, AA683232, AA706411, AA479888, AA960854, AA693619, AA846649, AA960792, AI222234, AI084465, BF446937, AI367258, BE045520, N52967, AI269900, W15394, BE766239, AI632800, AA766379, R50797, BF915791, AI826582, BE765484, AI955173, AA216603,

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HWTBI25	2588	637736	1 - 324	15 - 338	AI079544, BG057124, T16588, AA513571, AI659917, AA054120, AW971303, BF095888, AC066603, and AC066603.
HWTBL86	2589	791720	1 - 2775	15 - 2789	BG026313, BE867570, BE379059, BE252956, BE895281, BG025115, BG118965, BG117744, BE894516, BE867853, AV655961, AV655065, BE463833, AI743344, AI936434, AA479845, AW069262, AW957415, AI632803, BF435420, AA743099, AI653387, AW139960, BF435344, AW263545, AI986184, AI494572, AW069847, AI356382, BF872252, N64780, AI343604, AI524683, BG254358, AA677460, AA311118, R76972, AV714216, AA485878, BE906880, AI034335, BE836962, AA824645, BG170378, AA421697, AI801400, AV653434, AA324167, AW405847, R17990, AV656465, AI017487, AI283437, AA742903, BF959586, AI432715, H90632, AI523653, AW009118, AI222058, R18249, AA487781, AI935830, N76192, AA333269, H78901, T50567, R20418, AW802235, BF927563, AA610567, H26543, AI040600, AI474629, AI802589, BF926304, AI827833, BF752219, AW292734, N35443, R61739, Z43983, R43537, AA300760, AW118828, AI698966, AA324168, AI915572, BG121443, BE706316, AW235187, BF446401, AA346807, BE168110, AA479721, AA971255, AA776840, AW664573, H39210, AV700303, AI216580, BF964480, BE315009, AW024732, BE206022, AI858448, AW576576, AI133000, AA935149, BG009390, BF884320, AI701554, BE673843, R29282, AW304068, AI244166, BF001810, AW592386, AW170695, C01378, AA683126, H39211, AA857017, AW953126, BE168122, AI351674, BF222238, BF803700, AI769446, BE327201, AI567778, AL034550, AB023195, AK025756, AR072721, AL117647, AL117518, AR072722, and AL034550.
HWTBX66	2590	732187	1 - 1131	15 - 1145	BF206625, BE562605, AI422195, BG111540, BE409545, BF374972, BE899627, AA434145,

					and AC007239.
HYAAC74	2591	762843	1 - 578	15 - 592	AI791896, AW935251, AW935250, AA367713, BF908630, AI821701, AC013276, and AC013276.
HYAAD61	2592	897736	1 - 2216	15 - 2230	AV705135, BE879798, AV655758, BE881037, AV755230, BE875022, BE879931, BE880405, BE879486, BG153219, BE880558, BE877897, AV707414, AV710871, BE878969, AV734388, BE877534, BE876227, AI207423, BE881383, BE877380, BE880003, BE875549, AV712842, BE878544, BE878868, BE880171, BE874129, BE874269, AV709769, AI305275, AI286358, AL039081, AV716518, AI268040, BG223306, AV723801, AI619745, BE874183, BE874959, AW277198, AW277172, AA458950, AW265739, AI557254, AV710411, AI224374, BE880000, BE877313, AV695843, BE873910, AV702721, AI524536, BE898244, BE876255, AI880197, BE877438, AL037048, AA552550, AV689111, AI653760, AV706425, BE877980, AV725088, AI206694, AW151854, AV729555, BE877360, AA244460, BE873776, AV725697, AA554077, AV729458, BE881406, AA565898, BE876129, AA523066, AA640693, AA226180, AV702339, AA654759, AV712023, AA594572, AA081407, BE220724, AA987694, AV704567, BE879161, AV702289, BE873721, AV728530, AV646639, AV715880, AI581199, AV704743, AA460448, AV703548, BE878189, BE875452, AA152380, AA487595, AV702362, BE876209, AV745360, AA192171, AV756865, AV745474, AW080716, AI281861, AV704410, BE873856, AV706544, AV706871, AV704891, AA635387, AV701911, AV705273, AV695888, AV727353, AV727222, BE875679, BE877724, AV703275, AV725220, AA653781, AV704989, AV646609, BE873887, AV703453, BE879920, AV713937, AI282481, AV717895, AW188463, AA523743, AV710865, AV646653, AA854071, AV707576, AA216405, AV706391, AA844117, AV726271, AV708364, AA579042, AA578602, AI630887, AA506176, AL048429, AV726269, AA177050, AA669077, AV646649, AV725312, AV727727, AV711596, AV704136, AA467980, AW419290, AV704821, AA876733, AV715527, BE881017, AV646504, AI133314, AV702418, AV744456, AV701103, AI133420, BE878144, AI065079, AV723380, BE877089, AV701289, AV646554, AV721093, BE876191, AW276852, AV660666, BE876145, AV728726, AI064797, AA631302, AA879253, BE878843, BE875363,

					AV702097, AI884494, BE880616, AV690345, AW073881, AI535915, AI926608, AA873420, AA655025, BE875048, AA642859, AI133218, AV682904, AA602266, AA188353, AV716924, BE881087, AI432215, AV705900, AV722579, BE881605, AV722125, AV751989, AA650124, BE877490, AI798362, AV723748, AI061660, AI832523, AW518375, BE677570, AA569249, AA503933, BE877021, AA069462, AA635953, BE876526, AI673024, AW129234, AV695102, AV693793, AA557411, AI989411, AV693806, AI535901, AW270021, AV686634, AV649901, AV662132, AA621867, AV727103, AI917042, BF061237, AV646616, BE880379, AA887174, BE874933, BE877550, AI636965, BE877849, AI566184, AI566210, AI863894, AI174749, AF161800, AK026530, AK026930, AX023293, AX023297, X62996, AX039612, V00662, X93334, D38112, AF004340, AF134583, X93335, D38113, D38116, X97707, X01775, I27367, AR083056, AK026993, I00734, AF130059, AF110329, AL389951, AK025541, AB050411, AL133645, E12580, E00617, E00717, E00778, S77771, AF125949, AX027129, AB047615, AL137640, I48978, AB007812, AL390167, AF162270, AF012536, AB025103, AF113676, AR038867, AL049466, AL137711, AF274348, AF274347, AL389935, AK026591, AB050534, AF119857, AK025772, AL122106, A65336, AL133098, AF104032, U72620, AC010128, A18777, AK025958, AL359620, AB047966, A08913, AF210052, AL161953, AB029065, AR068466, A08910, AF130100, AC004943, AF242525, A08907, I89931, A08909, AK027113, AK027081, AB047887, AK026613, A08912, AF261883, AK027136, I89934, AF035161, AF113013, AR087170, AF130104, A08908, AP000130, AP000208, and AR038854.
HYACC21	2593	696654	1 - 1209	15 - 1223	AF179633.
HYBAP75	2594	853561	1 - 1154	15 - 1168	AA348133.
HYBAQ24	2595	898367	1 - 1179	15 - 1193	BE672513, AW962455, AW468228, AA593830, BE831720, AW339591, AW440986, AA367270, AW440877, AW592568, AI807052, AI431239, AF111851, AF192522, AC018552, AC018552, and AC018552.
HYBAW56	2596	658736	1 - 570	15 - 584	
HYBBD81	2597	533784	1 - 882	15 - 896	AC004933, AC006028, AK022482, AC013603, and AC015779.

TABLE 4

Code	Description	Tissue	Organ	Cell Line	Disease	Vector
AR022	a_Heart	a_Heart				
AR023	a_Liver	a_Liver				
AR024	a_mammary gland	a_mammary gland				
AR025	a_Prostate	a_Prostate				
AR026	a_small intestine	a_small intestine				
AR027	a_Stomach	a_Stomach				
AR028	Blood B cells	Blood B cells				
AR029	Blood B cells activated	Blood B cells activated				
AR030	Blood B cells resting	Blood B cells resting				
AR031	Blood T cells activated	Blood T cells activated				
AR032	Blood T cells resting	Blood T cells resting				
AR033	brain	brain				
AR034	breast	breast				
AR035	breast cancer	breast cancer				
AR036	Cell Line CAOV3	Cell Line CAOV3				
AR037	cell line PA-1	cell line PA-1				
AR038	cell line transformed	cell line transformed				
AR039	colon	colon				
AR040	colon (9808co65R)	colon (9808co65R)				
AR041	colon (9809co15)	colon (9809co15)				
AR042	colon cancer	colon cancer				
AR043	colon cancer (9808co64R)	colon cancer (9808co64R)				
AR044	colon cancer 9809co14	colon cancer 9809co14				
AR045	corn clone 5	corn clone 5				
AR046	corn clone 6	corn clone 6				
AR047	corn clone2	corn clone2				
AR048	corn clone3	corn clone3				
AR049	Corn Clone4	Corn Clone4				
AR050	Donor II B Cells 24hrs	Donor II B Cells 24hrs				
AR051	Donor II B Cells 72hrs	Donor II B Cells 72hrs				
AR052	Donor II B-Cells 24 hrs.	Donor II B-Cells 24 hrs.				
AR053	Donor II B-Cells 72hrs	Donor II B-Cells 72hrs				
AR054	Donor II Resting B Cells	Donor II Resting B Cells				
AR055	Heart	Heart				
AR056	Human Lung (clonotech)	Human Lung (clonotech)				
AR057	Human Mammary (clonotech)	Human Mammary (clonotech)				
AR058	Human Thymus (clonotech)	Human Thymus (clonotech)				
AR059	Jurkat (unstimulated)	Jurkat (unstimulated)				
AR060	Kidney	Kidney				
AR061	Liver	Liver				
AR062	Liver (Clontech)	Liver (Clontech)				

AR063	Lymphocytes chronic lymphocytic leukaemia	Lymphocytes chronic lymphocytic leukaemia				
AR064	Lymphocytes diffuse large B cell lymphoma	Lymphocytes diffuse large B cell lymphoma				
AR065	Lymphocytes follicular lymphoma	Lymphocytes follicular lymphoma				
AR066	normal breast	normal breast				
AR067	Normal Ovarian (4004901)	Normal Ovarian (4004901)				
AR068	Normal Ovary 9508G045	Normal Ovary 9508G045				
AR069	Normal Ovary 9701G208	Normal Ovary 9701G208				
AR070	Normal Ovary 9806G005	Normal Ovary 9806G005				
AR071	Ovarian Cancer	Ovarian Cancer				
AR072	Ovarian Cancer (9702G001)	Ovarian Cancer (9702G001)				
AR073	Ovarian Cancer (9707G029)	Ovarian Cancer (9707G029)				
AR074	Ovarian Cancer (9804G011)	Ovarian Cancer (9804G011)				
AR075	Ovarian Cancer (9806G019)	Ovarian Cancer (9806G019)				
AR076	Ovarian Cancer (9807G017)	Ovarian Cancer (9807G017)				
AR077	Ovarian Cancer (9809G001)	Ovarian Cancer (9809G001)				
AR078	ovarian cancer 15799	ovarian cancer 15799				
AR079	Ovarian Cancer 17717AID	Ovarian Cancer 17717AID				
AR080	Ovarian Cancer 4004664B1	Ovarian Cancer 4004664B1				
AR081	Ovarian Cancer 4005315A1	Ovarian Cancer 4005315A1				
AR082	ovarian cancer 94127303	ovarian cancer 94127303				
AR083	Ovarian Cancer 96069304	Ovarian Cancer 96069304				
AR084	Ovarian Cancer 9707G029	Ovarian Cancer 9707G029				
AR085	Ovarian Cancer 9807G045	Ovarian Cancer 9807G045				
AR086	ovarian cancer 9809G001	ovarian cancer 9809G001				
AR087	Ovarian Cancer 9905C032RC	Ovarian Cancer 9905C032RC				
AR088	Ovarian cancer 9907 C00 3rd	Ovarian cancer 9907 C00 3rd				
AR089	Prostate	Prostate				
AR090	Prostate (clonotech)	Prostate (clonotech)				
AR091	prostate cancer	prostate cancer				
AR092	prostate cancer #15176	prostate cancer #15176				
AR093	prostate cancer #15509	prostate cancer #15509				
AR094	prostate cancer #15673	prostate cancer #15673				
AR095	Small Intestine (Clontech)	Small Intestine (Clontech)				
AR096	Spleen	Spleen				
AR097	Thymus T cells activated	Thymus T cells				

		activated				
AR098	Thymus T cells resting	Thymus T cells resting				
AR099	Tonsil	Tonsil				
AR100	Tonsil germinal center centroblast	Tonsil germinal center centroblast				
AR101	Tonsil germinal center B cell	Tonsil germinal center B cell				
AR102	Tonsil lymph node	Tonsil lymph node				
AR103	Tonsil memory B cell	Tonsil memory B cell				
AR104	Whole Brain	Whole Brain				
AR105	Xenograft ES-2	Xenograft ES-2				
AR106	Xenograft SW626	Xenograft SW626				
AR119	001: IL-2	001: IL-2				
AR120	001: IL-2.1	001: IL-2.1				
AR121	001: IL-2_b	001: IL-2_b				
AR124	002 : Monocytes untreated (1hr)	002 : Monocytes untreated (1hr)				
AR125	002 : Monocytes untreated (5hrs)	002 : Monocytes untreated (5hrs)				
AR126	002: Control.1C	002: Control.1C				
AR127	002: IL2.1C	002: IL2.1C				
AR130	003 : Placebo-treated Rat Lacrimal Gland	003 : Placebo-treated Rat Lacrimal Gland				
AR131	003 : Placebo-treated Rat Submandibular Gland	003 : Placebo-treated Rat Submandibular Gland				
AR135	004 : Monocytes untreated (5hrs)	004 : Monocytes untreated (5hrs)				
AR136	004 : Monocytes untreated 1hr	004 : Monocytes untreated 1hr				
AR139	005: Placebo (48hrs)	005: Placebo (48hrs)				
AR140	006: pC4 (24hrs)	006: pC4 (24hrs)				
AR141	006: pC4 (48hrs)	006: pC4 (48hrs)				
AR152	007: PHA(1hr)	007: PHA(1hr)				
AR153	007: PHA(6HRS)	007: PHA(6HRS)				
AR154	007: PMA(6hrs)	007: PMA(6hrs)				
AR155	008: 1449_#2	008: 1449_#2				
AR161	01: A - max 24	01: A - max 24				
AR162	01: A - max 26	01: A - max 26				
AR163	01: A - max 30	01: A - max 30				
AR164	01: B - max 24	01: B - max 24				
AR165	01: B - max 26	01: B - max 26				
AR166	01: B - max 30	01: B - max 30				
AR167	1449 Sample	1449 Sample				
AR168	3T3P10 1.0uM insulin	3T3P10 1.0uM insulin				
AR169	3T3P10 10nM Insulin	3T3P10 10nM Insulin				
AR170	3T3P10 10uM insulin	3T3P10 10uM insulin				
AR171	3T3P10 No Insulin	3T3P10 No Insulin				
AR172	3T3P4	3T3P4				
AR173	Adipose (41892)	Adipose (41892)				
AR174	Adipose Diabetic (41611)	Adipose Diabetic (41611)				
AR175	Adipose Diabetic (41661)	Adipose Diabetic (41661)				
AR176	Adipose Diabetic (41689)	Adipose Diabetic (41689)				
AR177	Adipose Diabetic (41706)	Adipose Diabetic				

		(41706)				
AR178	Adipose Diabetic (42352)	Adipose Diabetic (42352)				
AR179	Adipose Diabetic (42366)	Adipose Diabetic (42366)				
AR180	Adipose Diabetic (42452)	Adipose Diabetic (42452)				
AR181	Adipose Diabetic (42491)	Adipose Diabetic (42491)				
AR182	Adipose Normal (41843)	Adipose Normal (41843)				
AR183	Adipose Normal (41893)	Adipose Normal (41893)				
AR184	Adipose Normal (42452)	Adipose Normal (42452)				
AR185	Adrenal Gland	Adrenal Gland				
AR186	Adrenal Gland + Whole Brain	Adrenal Gland + Whole Brain				
AR187	B7(1hr)+ (inverted)	B7(1hr)+ (inverted)				
AR188	Breast (18275A2B)	Breast (18275A2B)				
AR189	Breast (4004199)	Breast (4004199)				
AR190	Breast (4004399)	Breast (4004399)				
AR191	Breast (4004943B7)	Breast (4004943B7)				
AR192	Breast (4005570B1)	Breast (4005570B1)				
AR193	Breast Cancer (4004127A30)	Breast Cancer (4004127A30)				
AR194	Breast Cancer (400443A21)	Breast Cancer (400443A21)				
AR195	Breast Cancer (4004643A2)	Breast Cancer (4004643A2)				
AR196	Breast Cancer (4004710A7)	Breast Cancer (4004710A7)				
AR197	Breast Cancer (4004943A21)	Breast Cancer (4004943A21)				
AR198	Breast Cancer (400553A2)	Breast Cancer (400553A2)				
AR199	Breast Cancer (9805C046R)	Breast Cancer (9805C046R)				
AR200	Breast Cancer (9806C012R)	Breast Cancer (9806C012R)				
AR201	Breast Cancer (ODQ 45913)	Breast Cancer (ODQ 45913)				
AR202	Breast Cancer (ODQ45913)	Breast Cancer (ODQ45913)				
AR203	Breast Cancer (ODQ4591B)	Breast Cancer (ODQ4591B)				
AR204	Colon Cancer (15663)	Colon Cancer (15663)				
AR205	Colon Cancer (4005144A4)	Colon Cancer (4005144A4)				
AR206	Colon Cancer (4005413A4)	Colon Cancer (4005413A4)				
AR207	Colon Cancer (4005570B1)	Colon Cancer (4005570B1)				
AR208	Control RNA #1	Control RNA #1				
AR209	Control RNA #2	Control RNA #2				
AR210	Cultured Preadipocyte (blue)	Cultured Preadipocyte (blue)				
AR211	Cultured Preadipocyte (Red)	Cultured Preadipocyte (Red)				
AR212	Donor II B-Cells 24hrs	Donor II B-Cells 24hrs				
AR213	Donor II Resting B-Cells	Donor II Resting B-Cells				

AR214	H114EP12 10nM Insulin	H114EP12 10nM Insulin				
AR215	H114EP12 (10nM insulin)	H114EP12 (10nM insulin)				
AR216	H114EP12 (2.6ug/ul)	H114EP12 (2.6ug/ul)				
AR217	H114EP12 (3.6ug/ul)	H114EP12 (3.6ug/ul)				
AR218	HUVEC #1	HUVEC #1				
AR219	HUVEC #2	HUVEC #2				
AR221	L6 undiff.	L6 undiff.				
AR222	L6 Undifferentiated	L6 Undifferentiated				
AR223	L6P8 + 10nM Insulin	L6P8 + 10nM Insulin				
AR224	L6P8 + HS	L6P8 + HS				
AR225	L6P8 10nM Insulin	L6P8 10nM Insulin				
AR226	Liver (00-06-A007B)	Liver (00-06-A007B)				
AR227	Liver (96-02-A075)	Liver (96-02-A075)				
AR228	Liver (96-03-A144)	Liver (96-03-A144)				
AR229	Liver (96-04-A138)	Liver (96-04-A138)				
AR230	Liver (97-10-A074B)	Liver (97-10-A074B)				
AR231	Liver (98-09-A242A)	Liver (98-09-A242A)				
AR232	Liver Diabetic (1042)	Liver Diabetic (1042)				
AR233	Liver Diabetic (41616)	Liver Diabetic (41616)				
AR234	Liver Diabetic (41955)	Liver Diabetic (41955)				
AR235	Liver Diabetic (42352R)	Liver Diabetic (42352R)				
AR236	Liver Diabetic (42366)	Liver Diabetic (42366)				
AR237	Liver Diabetic (42483)	Liver Diabetic (42483)				
AR238	Liver Diabetic (42491)	Liver Diabetic (42491)				
AR239	Liver Diabetic (99-09-A281A)	Liver Diabetic (99-09-A281A)				
AR240	Lung	Lung				
AR241	Lung (27270)	Lung (27270)				
AR242	Lung (2727Q)	Lung (2727Q)				
AR243	Lung Cancer (4005116A1)	Lung Cancer (4005116A1)				
AR244	Lung Cancer (4005121A5)	Lung Cancer (4005121A5)				
AR245	Lung Cancer (4005121A5))	Lung Cancer (4005121A5))				
AR246	Lung Cancer (4005340A4)	Lung Cancer (4005340A4)				
AR247	Mammary Gland	Mammary Gland				
AR248	Monocyte (CT)	Monocyte (CT)				
AR249	Monocyte (OCT)	Monocyte (OCT)				
AR250	Monocytes (CT)	Monocytes (CT)				
AR251	Monocytes (INFG 18 hr)	Monocytes (INFG 18 hr)				
AR252	Monocytes (INFG 18hr)	Monocytes (INFG 18hr)				
AR253	Monocytes (INFG 8-11)	Monocytes (INFG 8-11)				
AR254	Monocytes (O CT)	Monocytes (O CT)				
AR255	Muscle (91-01-A105)	Muscle (91-01-				

		A105)				
AR256	Muscle (92-04-A059)	Muscle (92-04-A059)				
AR257	Muscle (97-11-A056d)	Muscle (97-11-A056d)				
AR258	Muscle (99-06-A210A)	Muscle (99-06-A210A)				
AR259	Muscle (99-07-A203B)	Muscle (99-07-A203B)				
AR260	Muscle (99-7-A203B)	Muscle (99-7-A203B)				
AR261	Muscle Diabetic (42352R)	Muscle Diabetic (42352R)				
AR262	Muscle Diabetic (42366)	Muscle Diabetic (42366)				
AR263	NK-19 Control	NK-19 Control				
AR264	NK-19 IL Treated 72hrs	NK-19 IL Treated 72hrs				
AR265	NK-19 UK Treated 72 hrs.	NK-19 UK Treated 72 hrs.				
AR266	Omentum Normal (94-08-B009)	Omentum Normal (94-08-B009)				
AR267	Omentum Normal (97-01-A039A)	Omentum Normal (97-01-A039A)				
AR268	Omentum Normal (97-04-A114C)	Omentum Normal (97-04-A114C)				
AR269	Omentum Normal (97-06-A117C)	Omentum Normal (97-06-A117C)				
AR270	Omentum Normal (97-09-B004C)	Omentum Normal (97-09-B004C)				
AR271	Ovarian Cancer (17717AID)	Ovarian Cancer (17717AID)				
AR272	Ovarian Cancer (9905C023RC)	Ovarian Cancer (9905C023RC)				
AR273	Ovarian Cancer (9905C032RC)	Ovarian Cancer (9905C032RC)				
AR274	Ovary (9508G045)	Ovary (9508G045)				
AR275	Ovary (9701G208)	Ovary (9701G208)				
AR276	Ovary 9806G005	Ovary 9806G005				
AR277	Pancreas	Pancreas				
AR278	Placebo	Placebo				
AR279	rIL2 Control	rIL2 Control				
AR280	RSS288L	RSS288L				
AR281	RSS288LC	RSS288LC				
AR282	Salivary Gland	Salivary Gland				
AR283	Skeletal Muscle	Skeletal Muscle				
AR284	Skeletal Muscle (91-01-A105)	Skeletal Muscle (91-01-A105)				
AR285	Skeletal Muscle (42180)	Skeletal Muscle (42180)				
AR286	Skeletal Muscle (42386)	Skeletal Muscle (42386)				
AR287	Skeletal Muscle (42461)	Skeletal Muscle (42461)				
AR288	Skeletal Muscle (91-01-A105)	Skeletal Muscle (91-01-A105)				
AR289	Skeletal Muscle (92-04-A059)	Skeletal Muscle (92-04-A059)				
AR290	Skeletal Muscle (96-08-A171)	Skeletal Muscle (96-08-A171)				
AR291	Skeletal Muscle (97-07-A190A)	Skeletal Muscle (97-07-A190A)				
AR292	Skeletal Muscle Diabetic (42352)	Skeletal Muscle Diabetic (42352)				
AR293	Skeletal Muscle Diabetic	Skeletal Muscle				

	(42366)	Diabetic (42366)				
AR294	Skeletal Muscle Diabetic (42395)	Skeletal Muscle Diabetic (42395)				
AR295	Skeletal Muscle Diabetic (42483)	Skeletal Muscle Diabetic (42483)				
AR296	Skeletal Muscle Diabetic (42491)	Skeletal Muscle Diabetic (42491)				
AR297	Skeletal Muscle Diabetic 42352	Skeletal Muscle Diabetic 42352				
AR298	Skeletal Musle (42461)	Skeletal Musle (42461)				
AR299	Small Intestine	Small Intestine				
AR300	Stomach	Stomach				
AR301	T-Cell + HDPBQ71.fc 1449 16hrs	T-Cell + HDPBQ71.fc 1449 16hrs				
AR302	T-Cell + HDPBQ71.fc 1449 6hrs	T-Cell + HDPBQ71.fc 1449 6hrs				
AR303	T-Cell + IL2 16hrs	T-Cell + IL2 16hrs				
AR304	T-Cell + IL2 6hrs	T-Cell + IL2 6hrs				
AR306	T-Cell Untreated 16hrs	T-Cell Untreated 16hrs				
AR307	T-Cell Untreated 6hrs	T-Cell Untreated 6hrs				
AR308	T-Cells 24 hours	T-Cells 24 hours				
AR309	T-Cells 24 hrs	T-Cells 24 hrs				
AR310	T-Cells 24 hrs.	T-Cells 24 hrs.				
AR311	T-Cells 24hrs	T-Cells 24hrs				
AR312	T-Cells 4 days	T-Cells 4 days				
AR313	Thymus	Thymus				
AR314	TRE	TRE				
AR315	TREC	TREC				
AR316	Virtual Mixture	Virtual Mixture				
H0002	Human Adult Heart	Human Adult Heart	Heart			Uni-ZAP XR
H0003	Human Adult Liver	Human Adult Liver	Liver			Uni-ZAP XR
H0004	Human Adult Spleen	Human Adult Spleen	Spleen			Uni-ZAP XR
H0007	Human Cerebellum	Human Cerebellum	Brain			Uni-ZAP XR
H0008	Whole 6 Week Old Embryo					Uni-ZAP XR
H0009	Human Fetal Brain					Uni-ZAP XR
H0010	Human Fetal Hepatic	Human Fetal Liver	Liver			Uni-ZAP XR
H0011	Human Fetal Kidney	Human Fetal Kidney	Kidney			Uni-ZAP XR
H0012	Human Fetal Kidney	Human Fetal Kidney	Kidney			Uni-ZAP XR
H0013	Human 8 Week Whole Embryo	Human 8 Week Old Embryo	Embryo			Uni-ZAP XR
H0014	Human Gall Bladder	Human Gall Bladder	Gall Bladder			Uni-ZAP XR
H0015	Human Gall Bladder, fraction II	Human Gall Bladder	Gall Bladder			Uni-ZAP XR
H0018	Human Greater Omentum, fII remake	Human Greater Omentum	peritoneum			Uni-ZAP XR
H0019	Human Fetal Heart	Human Fetal Heart	Heart			pBluescript
H0020	Human Hippocampus	Human Hippocampus	Brain			Uni-ZAP XR
H0021	Human Infant Adrenal Gland	Human Infant Adrenal Gland	Adrenal gland			Uni-ZAP XR
H0022	Jurkat Cells	Jurkat T-Cell Line				Lambda ZAP II
H0023	Human Fetal Lung					Uni-ZAP XR
H0024	Human Fetal Lung III	Human Fetal Lung	Lung			Uni-ZAP XR
H0025	Human Adult Lymph Node	Human Adult Lymph Node	Lymph Node			Lambda ZAP II
H0026	Namalwa Cells	Namalwa B-Cell Line, EBV				Lambda ZAP II

		immortalized				
H0028	Human Old Ovary	Human Old Ovary	Ovary			pBluescript
H0029	Human Pancreas	Human Pancreas	Pancreas			Uni-ZAP XR
H0030	Human Placenta					Uni-ZAP XR
H0031	Human Placenta	Human Placenta	Placenta			Uni-ZAP XR
H0032	Human Prostate	Human Prostate	Prostate			Uni-ZAP XR
H0033	Human Pituitary	Human Pituitary				Uni-ZAP XR
H0036	Human Adult Small Intestine	Human Adult Small Intestine	Small Int.			Uni-ZAP XR
H0037	Human Adult Small Intestine	Human Adult Small Intestine	Small Int.			pBluescript
H0038	Human Testes	Human Testes	Testis			Uni-ZAP XR
H0039	Human Pancreas Tumor	Human Pancreas Tumor	Pancreas		disease	Uni-ZAP XR
H0040	Human Testes Tumor	Human Testes Tumor	Testis		disease	Uni-ZAP XR
H0041	Human Fetal Bone	Human Fetal Bone	Bone			Uni-ZAP XR
H0042	Human Adult Pulmonary	Human Adult Pulmonary	Lung			Uni-ZAP XR
H0044	Human Cornea	Human Cornea	eye			Uni-ZAP XR
H0045	Human Esophagus, Cancer	Human Esophagus, cancer	Esophagus		disease	Uni-ZAP XR
H0046	Human Endometrial Tumor	Human Endometrial Tumor	Uterus		disease	Uni-ZAP XR
H0047	Human Fetal Liver	Human Fetal Liver	Liver			Uni-ZAP XR
H0048	Human Pineal Gland	Human Pineal Gland				Uni-ZAP XR
H0050	Human Fetal Heart	Human Fetal Heart	Heart			Uni-ZAP XR
H0051	Human Hippocampus	Human Hippocampus	Brain			Uni-ZAP XR
H0052	Human Cerebellum	Human Cerebellum	Brain			Uni-ZAP XR
H0053	Human Adult Kidney	Human Adult Kidney	Kidney			Uni-ZAP XR
H0056	Human Umbilical Vein, Endo. remake	Human Umbilical Vein Endothelial Cells	Umbilical vein			Uni-ZAP XR
H0057	Human Fetal Spleen					Uni-ZAP XR
H0058	Human Thymus Tumor	Human Thymus Tumor	Thymus		disease	Lambda ZAP II
H0059	Human Uterine Cancer	Human Uterine Cancer	Uterus		disease	Lambda ZAP II
H0060	Human Macrophage	Human Macrophage	Blood	Cell Line		pBluescript
H0061	Human Macrophage	Human Macrophage	Blood	Cell Line		pBluescript
H0062	Human Thymus	Human Thymus	Thymus			Uni-ZAP XR
H0063	Human Thymus	Human Thymus	Thymus			Uni-ZAP XR
H0064	Human Right Hemisphere of Brain	Human Brain, right hemisphere	Brain			Uni-ZAP XR
H0067	Human left hemisphere, adult	Human Left Hemisphere, Adult	Brain			Lambda ZAP II
H0068	Human Skin Tumor	Human Skin Tumor	Skin		disease	Uni-ZAP XR
H0069	Human Activated T-Cells	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0070	Human Pancreas	Human Pancreas	Pancreas			Uni-ZAP XR
H0071	Human Infant Adrenal Gland	Human Infant Adrenal Gland	Adrenal gland			Uni-ZAP XR
H0073	Human Leiomyeloid Carcinoma	Human Leiomyeloid Carcinoma	Muscle		disease	Uni-ZAP XR
H0074	Human Platelets	Human Platelets	Blood	Cell Line		Uni-ZAP XR
H0075	Human Activated T-Cells (II)	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0077	Human Thymus Tumor	Human Thymus Tumor	Thymus		disease	Lambda ZAP II
H0078	Human Lung Cancer	Human Lung Cancer	Lung		disease	Lambda ZAP II
H0079	Human Whole 7 Week Old Embryo (II)	Human Whole 7 Week Old Embryo	Embryo			Uni-ZAP XR
H0080	Human Whole 6 Week	Human Whole Six	Embryo			Lambda ZAP II

	Old Embryo (II)	Week Old Embryo				
H0081	Human Fetal Epithelium (Skin)	Human Fetal Skin	Skin			Uni-ZAP XR
H0082	Human Fetal Muscle	Human Fetal Muscle	Sk Muscle			Uni-ZAP XR
H0083	HUMAN JURKAT MEMBRANE BOUND POLYSOMES	Jurkat Cells				Uni-ZAP XR
H0085	Human Colon	Human Colon				Lambda ZAP II
H0086	Human epithelioid sarcoma	Epithelioid Sarcoma, muscle	Sk Muscle		disease	Uni-ZAP XR
H0087	Human Thymus	Human Thymus				pBluescript
H0090	Human T-Cell Lymphoma	T-Cell Lymphoma	T-Cell		disease	Uni-ZAP XR
H0092	Human Pancreas Tumor	Human Pancreas Tumor	Pancreas		disease	Uni-ZAP XR
H0095	Human Greater Omentum, RNA Remake	Human Greater Omentum	peritoneum			Uni-ZAP XR
H0097	Human Adult Heart, subtracted	Human Adult Heart	Heart			pBluescript
H0098	Human Adult Liver, subtracted	Human Adult Liver	Liver			Uni-ZAP XR
H0099	Human Lung Cancer, subtracted	Human Lung Cancer	Lung			pBluescript
H0100	Human Whole Six Week Old Embryo	Human Whole Six Week Old Embryo	Embryo			Uni-ZAP XR
H0101	Human 7 Weeks Old Embryo, subtracted	Human Whole 7 Week Old Embryo	Embryo			Lambda ZAP II
H0102	Human Whole 6 Week Old Embryo (II), subt	Human Whole Six Week Old Embryo	Embryo			pBluescript
H0103	Human Fetal Brain, subtracted	Human Fetal Brain	Brain			Uni-ZAP XR
H0105	Human Fetal Heart, subtracted	Human Fetal Heart	Heart			pBluescript
H0107	Human Infant Adrenal Gland, subtracted	Human Infant Adrenal Gland	Adrenal gland			pBluescript
H0108	Human Adult Lymph Node, subtracted	Human Adult Lymph Node	Lymph Node			Uni-ZAP XR
H0109	Human Macrophage, subtracted	Macrophage	Blood	Cell Line		pBluescript
H0110	Human Old Ovary, subtracted	Human Old Ovary	Ovary			pBluescript
H0111	Human Placenta, subtracted	Human Placenta	Placenta			pBluescript
H0113	Human skin Tumor, subtracted	Human Skin Tumor	Skin			Uni-ZAP XR
H0116	Human Thymus Tumor, subtracted	Human Thymus Tumor	Thymus			pBluescript
H0117	Human Uterine Cancer, subtracted	Human Uterine Cancer	Uterus			pBluescript
H0119	Human Pediatric Kidney	Human Pediatric Kidney	Kidney			Uni-ZAP XR
H0120	Human Adult Spleen, subtracted	Human Adult Spleen	Spleen			Uni-ZAP XR
H0121	Human Cornea, subtracted	Human Cornea	eye			Uni-ZAP XR
H0122	Human Adult Skeletal Muscle	Human Skeletal Muscle	Sk Muscle			Uni-ZAP XR
H0123	Human Fetal Dura Mater	Human Fetal Dura Mater	Brain			Uni-ZAP XR
H0124	Human Rhabdomyosarcoma	Human Rhabdomyosarcoma	Sk Muscle		disease	Uni-ZAP XR
H0125	Cem cells cyclohexamide treated	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0128	Jurkat cells, thiouridine activated	Jurkat Cells				Uni-ZAP XR
H0130	LNCAP untreated	LNCAP Cell Line	Prostate	Cell Line		Uni-ZAP XR

H0131	LNCAP + 0.3nM R1881	LNCAP Cell Line	Prostate	Cell Line		Uni-ZAP XR
H0132	LNCAP + 30nM R1881	LNCAP Cell Line	Prostate	Cell Line		Uni-ZAP XR
H0134	Raji Cells, cyclohexamide treated	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0135	Human Synovial Sarcoma	Human Synovial Sarcoma	Synovium			Uni-ZAP XR
H0136	Supt Cells, cyclohexamide treated	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0140	Activated T-Cells, 8 hrs.	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0141	Activated T-Cells, 12 hrs.	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0144	Nine Week Old Early Stage Human	9 Wk Old Early Stage Human	Embryo			Uni-ZAP XR
H0147	Human Adult Liver	Human Adult Liver	Liver			Uni-ZAP XR
H0149	7 Week Old Early Stage Human, subtracted	Human Whole 7 Week Old Embryo	Embryo			Uni-ZAP XR
H0150	Human Epididymus	Epididymis	Testis			Uni-ZAP XR
H0151	Early Stage Human Liver	Human Fetal Liver	Liver			Uni-ZAP XR
H0152	Early Stage Human Liver, fract (II)	Human Fetal Liver	Liver			Uni-ZAP XR
H0154	Human Fibrosarcoma	Human Skin Fibrosarcoma	Skin		disease	Uni-ZAP XR
H0155	Human Thymus, subtracted	Human Thymus Tumor	Thymus			pBluescript
H0156	Human Adrenal Gland Tumor	Human Adrenal Gland Tumor	Adrenal Gland		disease	Uni-ZAP XR
H0157	Activated T-Cells, 0 hrs, ligation 2	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0158	Activated T-Cells, 4 hrs., ligation 2	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0159	Activated T-Cells, 8 hrs., ligation 2	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0163	Human Synovium	Human Synovium	Synovium			Uni-ZAP XR
H0164	Human Trachea Tumor	Human Trachea Tumor	Trachea		disease	Uni-ZAP XR
H0165	Human Prostate Cancer, Stage B2	Human Prostate Cancer, stage B2	Prostate		disease	Uni-ZAP XR
H0166	Human Prostate Cancer, Stage B2 fraction	Human Prostate Cancer, stage B2	Prostate		disease	Uni-ZAP XR
H0167	Activated T-Cells, 24 hrs.	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0168	Human Prostate Cancer, Stage C	Human Prostate Cancer, stage C	Prostate		disease	Uni-ZAP XR
H0169	Human Prostate Cancer, Stage C fraction	Human Prostate Cancer, stage C	Prostate		disease	Uni-ZAP XR
H0170	12 Week Old Early Stage Human	Twelve Week Old Early Stage Human	Embryo			Uni-ZAP XR
H0171	12 Week Old Early Stage Human, II	Twelve Week Old Early Stage Human	Embryo			Uni-ZAP XR
H0172	Human Fetal Brain, random primed	Human Fetal Brain	Brain			Lambda ZAP II
H0173	Human Cardiomyopathy, RNA remake	Human Cardiomyopathy	Heart		disease	Uni-ZAP XR
H0175	H. Adult Spleen, ziplox					pSport1
H0176	CAMA1Ee Cell Line	CAMA1Ee Cell Line	Breast	Cell Line		Uni-ZAP XR
H0177	CAMA1Ee Cell Line	CAMA1Ee Cell Line	Breast	Cell Line		Uni-ZAP XR
H0178	Human Fetal Brain	Human Fetal Brain	Brain			Uni-ZAP XR
H0179	Human Neutrophil	Human Neutrophil	Blood	Cell Line		Uni-ZAP XR
H0181	Human Primary Breast Cancer	Human Primary Breast Cancer	Breast		disease	Uni-ZAP XR
H0182	Human Primary Breast Cancer	Human Primary Breast Cancer	Breast		disease	Uni-ZAP XR
H0183	Human Colon Cancer	Human Colon	Colon		disease	Uni-ZAP XR

		Cancer				
H0184	Human Colon Cancer, metastasized to liver	Human Colon Cancer, metastasized to liver	Liver		disease	Lambda ZAP II
H0185	Activated T-Cell labeled with 4-thioluri	T-Cells	Blood	Cell Line		Lambda ZAP II
H0186	Activated T-Cell	T-Cells	Blood	Cell Line		Lambda ZAP II
H0187	Resting T-Cell	T-Cells	Blood	Cell Line		Lambda ZAP II
H0188	Human Normal Breast	Human Normal Breast	Breast			Uni-ZAP XR
H0189	Human Resting Macrophage	Human Macrophage/Monocytes	Blood	Cell Line		Uni-ZAP XR
H0190	Human Activated Macrophage (LPS)	Human Macrophage/Monocytes	Blood	Cell Line		Uni-ZAP XR
H0192	Cem Cells, cyclohexamide treated, subtra	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0193	Cem Cells, cyclohexamide treated, differ	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0194	Human Cerebellum, subtracted	Human Cerebellum	Brain			pBluescript
H0196	Human Cardiomyopathy, subtracted	Human Cardiomyopathy	Heart			Uni-ZAP XR
H0197	Human Fetal Liver, subtracted	Human Fetal Liver	Liver			Uni-ZAP XR
H0198	Human Fetal Liver, subtracted, pos. clon	Human Fetal Liver	Liver			Uni-ZAP XR
H0199	Human Fetal Liver, subtracted, neg clone	Human Fetal Liver	Liver			Uni-ZAP XR
H0200	Human Greater Omentum, fract II remake,	Human Greater Omentum	peritoneum			Uni-ZAP XR
H0201	Human Hippocampus, subtracted	Human Hippocampus	Brain			pBluescript
H0202	Jurkat Cells, cyclohexamide treated, subtraction	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0203	Jurkat Cells, cyclohexamide treated, dif	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		Uni-ZAP XR
H0204	Human Colon Cancer, subtracted	Human Colon Cancer	Colon			pBluescript
H0205	Human Colon Cancer, differential	Human Colon Cancer	Colon			pBluescript
H0207	LNCAP, differential expression	LNCAP Cell Line	Prostate	Cell Line		pBluescript
H0208	Early Stage Human Lung, subtracted	Human Fetal Lung	Lung			pBluescript
H0209	Human Cerebellum, differentially expressed	Human Cerebellum	Brain			Uni-ZAP XR
H0211	Human Prostate, differential expression	Human Prostate	Prostate			pBluescript
H0212	Human Prostate, subtracted	Human Prostate	Prostate			pBluescript
H0213	Human Pituitary, subtracted	Human Pituitary				Uni-ZAP XR
H0214	Raji cells, cyclohexamide treated, subtracted	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		pBluescript
H0216	Supt cells, cyclohexamide treated, subtracted	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		pBluescript

H0217	Supt cells, cyclohexamide treated, differentially expressed	Cyclohexamide Treated Cem, Jurkat, Raji, and Supt	Blood	Cell Line		pBluescript
H0218	Activated T-Cells, 0hrs, subtracted	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0219	Activated T-Cells, 0hrs, differentially expressed	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0220	Activated T-Cells, 4 hrs, subtracted	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0222	Activated T-Cells, 8 hrs, subtracted	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0224	Activated T-Cells, 12 hrs, subtracted	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0225	Activated T-Cells, 12hrs, differentially expressed	Activated T-Cells	Blood	Cell Line		Uni-ZAP XR
H0228	C7MCF7 cell line, estrogen treated	C7MCF7 Cell Line, estrogen treated	Breast	Cell Line		Uni-ZAP XR
H0229	Early Stage Human Brain, random primed	Early Stage Human Brain	Brain			Lambda ZAP II
H0230	Human Cardiomyopathy, diff exp	Human Cardiomyopathy	Heart		disease	Uni-ZAP XR
H0231	Human Colon, subtraction	Human Colon				pBluescript
H0232	Human Colon, differential expression	Human Colon				pBluescript
H0233	Human Fetal Heart, Differential (Adult-Specific)	Human Fetal Heart	Heart			pBluescript
H0234	human colon cancer, metastatic to liver, differentially expressed	Human Colon Cancer, metastaticized to liver	Liver			pBluescript
H0235	Human colon cancer, metaticized to liver, subtraction	Human Colon Cancer, metastaticized to liver	Liver			pBluescript
H0239	Human Kidney Tumor	Human Kidney Tumor	Kidney		disease	Uni-ZAP XR
H0241	C7MCF7 cell line, estrogen treated, subtraction	C7MCF7 Cell Line, estrogen treated	Breast	Cell Line		Uni-ZAP XR
H0242	Human Fetal Heart, Differential (Fetal-Specific)	Human Fetal Heart	Heart			pBluescript
H0244	Human 8 Week Whole Embryo, subtracted	Human 8 Week Old Embryo	Embryo			Uni-ZAP XR
H0246	Human Fetal Liver-Enzyme subtraction	Human Fetal Liver	Liver			Uni-ZAP XR
H0247	Human Membrane Bound Polysomes- Enzyme Subtraction	Human Membrane Bound Polysomes	Blood	Cell Line		Uni-ZAP XR
H0249	HE7, subtracted by hybridization with E7 cDNA	Human Whole 7 Week Old Embryo	Embryo			Uni-ZAP XR
H0250	Human Activated Monocytes	Human Monocytes				Uni-ZAP XR
H0251	Human Chondrosarcoma	Human Chondrosarcoma	Cartilage		disease	Uni-ZAP XR
H0252	Human Osteosarcoma	Human Osteosarcoma	Bone		disease	Uni-ZAP XR
H0253	Human adult testis, large inserts	Human Adult Testis	Testis			Uni-ZAP XR
H0254	Breast Lymph node cDNA library	Breast Lymph Node	Lymph Node			Uni-ZAP XR
H0255	breast lymph node CDNA library	Breast Lymph Node	Lymph Node			Lambda ZAP II
H0256	HL-60, unstimulated	Human HL-60 Cells, unstimulated	Blood	Cell Line		Uni-ZAP XR

H0257	HL-60, PMA 4H	HL-60 Cells, PMA stimulated 4H	Blood	Cell Line		Uni-ZAP XR
H0261	H. cerebellum, Enzyme subtracted	Human Cerebellum	Brain			Uni-ZAP XR
H0263	human colon cancer	Human Colon Cancer	Colon		disease	Lambda ZAP II
H0264	human tonsils	Human Tonsil	Tonsil			Uni-ZAP XR
H0265	Activated T-Cell (12hs)/Thiouridine labelledEco	T-Cells	Blood	Cell Line		Uni-ZAP XR
H0266	Human Microvascular Endothelial Cells, fract. A	HMEC	Vein	Cell Line		Lambda ZAP II
H0267	Human Microvascular Endothelial Cells, fract. B	HMEC	Vein	Cell Line		Lambda ZAP II
H0268	Human Umbilical Vein Endothelial Cells, fract. A	HUVE Cells	Umbilical vein	Cell Line		Lambda ZAP II
H0269	Human Umbilical Vein Endothelial Cells, fract. B	HUVE Cells	Umbilical vein	Cell Line		Lambda ZAP II
H0270	HPAS (human pancreas, subtracted)	Human Pancreas	Pancreas			Uni-ZAP XR
H0271	Human Neutrophil, Activated	Human Neutrophil - Activated	Blood	Cell Line		Uni-ZAP XR
H0272	HUMAN TONSILS, FRACTION 2	Human Tonsil	Tonsil			Uni-ZAP XR
H0274	Human Adult Spleen, fractionII	Human Adult Spleen	Spleen			Uni-ZAP XR
H0275	Human Infant Adrenal Gland, Subtracted	Human Infant Adrenal Gland	Adrenal gland			pBluescript
H0279	K562 cells	K562 Cell line	cell line	Cell Line		ZAP Express
H0280	K562 + PMA (36 hrs)	K562 Cell line	cell line	Cell Line		ZAP Express
H0281	Lymph node, abnorm. cell line (ATCC #7225)	Lymph Node, abnormal cell line	Lymph Node	Cell Line		ZAP Express
H0282	HBGB's differential consolidation	Human Primary Breast Cancer	Breast			Uni-ZAP XR
H0284	Human OB MG63 control fraction I	Human Osteoblastoma MG63 cell line	Bone	Cell Line		Uni-ZAP XR
H0286	Human OB MG63 treated (10 nM E2) fraction I	Human Osteoblastoma MG63 cell line	Bone	Cell Line		Uni-ZAP XR
H0288	Human OB HOS control fraction I	Human Osteoblastoma HOS cell line	Bone	Cell Line		Uni-ZAP XR
H0290	Human OB HOS treated (1 nM E2) fraction I	Human Osteoblastoma HOS cell line	Bone	Cell Line		Uni-ZAP XR
H0292	Human OB HOS treated (10 nM E2) fraction I	Human Osteoblastoma HOS cell line	Bone	Cell Line		Uni-ZAP XR
H0293	WI 38 cells					Uni-ZAP XR
H0294	Amniotic Cells - TNF induced	Amniotic Cells - TNF induced	Placenta	Cell Line		Uni-ZAP XR
H0295	Amniotic Cells - Primary Culture	Amniotic Cells - Primary Culture	Placenta	Cell Line		Uni-ZAP XR
H0298	HCB'B's differential consolidation	CAMA1Ee Cell Line	Breast	Cell Line		Uni-ZAP XR
H0299	HCBA's differential consolidation	CAMA1Ee Cell Line	Breast	Cell Line		Uni-ZAP XR
H0300	CD34 positive cells (Cord Blood)	CD34 Positive Cells	Cord Blood			ZAP Express
H0305	CD34 positive cells (Cord Blood)	CD34 Positive Cells	Cord Blood			ZAP Express
H0306	CD34 depleted Buffy Coat (Cord Blood)	CD34 Depleted Buffy Coat (Cord Blood)	Cord Blood			ZAP Express

H0309	Human Chronic Synovitis	Synovium, Chronic Synovitis/ Osteoarthritis	Synovium		disease	Uni-ZAP XR
H0310	human caudate nucleus	Brain	Brain			Uni-ZAP XR
H0313	human pleural cancer	pleural cancer			disease	pBluescript
H0316	HUMAN STOMACH	Human Stomach	Stomach			Uni-ZAP XR
H0318	HUMAN B CELL LYMPHOMA	Human B Cell Lymphoma	Lymph Node		disease	Uni-ZAP XR
H0320	Human frontal cortex	Human Frontal Cortex	Brain			Uni-ZAP XR
H0321	HUMAN SCHWANOMA	Schwanoma	Nerve		disease	Uni-ZAP XR
H0327	human corpus colosum	Human Corpus Callosum	Brain			Uni-ZAP XR
H0328	human ovarian cancer	Ovarian Cancer	Ovary		disease	Uni-ZAP XR
H0329	Dermatofibrosarcoma Protuberance	Dermatofibrosarcoma Protuberans	Skin		disease	Uni-ZAP XR
H0330	HCBF's Subtractive (- mito genes)	CAMA1Ee Cell Line	Breast	Cell Line		Uni-ZAP XR
H0331	Hepatocellular Tumor	Hepatocellular Tumor	Liver		disease	Lambda ZAP II
H0333	Hemangiopericytoma	Hemangiopericytoma	Blood vessel		disease	Lambda ZAP II
H0334	Kidney cancer	Kidney Cancer	Kidney		disease	Uni-ZAP XR
H0339	Duodenum	Duodenum				Uni-ZAP XR
H0340	Corpus Callosum	Corpus Collosum-93052				Uni-ZAP XR
H0341	Bone Marrow Cell Line (RS4;11)	Bone Marrow Cell Line RS4;11	Bone Marrow	Cell Line		Uni-ZAP XR
H0342	Lingual Gyrus	Lingual Gyrus	Brain			Uni-Zap XR
H0343	stomach cancer (human)	Stomach Cancer - 5383A (human)			disease	Uni-ZAP XR
H0344	Adipose tissue (human)	Adipose - 6825A (human)				Uni-ZAP XR
H0345	SKIN	Skin - 4000868H	Skin			Uni-ZAP XR
H0346	Brain-medulloblastoma	Brain (Medulloblastoma)-9405C006R	Brain		disease	Uni-ZAP XR
H0349	human adult liver cDNA library	Human Adult Liver	Liver			pCMVSPORT 1
H0350	Human Fetal Liver, mixed 10 & 14 week	Human Fetal Liver, mixed 10&14 Week	Liver			Uni-ZAP XR
H0351	Glioblastoma	Glioblastoma	Brain		disease	Uni-ZAP XR
H0352	wilm's tumor	Wilm's Tumor			disease	Uni-ZAP XR
H0354	Human Leukocytes	Human Leukocytes	Blood	Cell Line		pCMVSPORT 1
H0355	Human Liver	Human Liver, normal Adult				pCMVSPORT 1
H0356	Human Kidney	Human Kidney	Kidney			pCMVSPORT 1
H0357	H. Normalized Fetal Liver, II	Human Fetal Liver	Liver			Uni-ZAP XR
H0359	KMH2 cell line	KMH2				ZAP Express
H0360	Hemangiopericytoma	Hemangiopericytoma			disease	
H0361	Human rejected kidney	Human Rejected Kidney			disease	pBluescript
H0362	HeLa cell line	HELA CELL LINE				pSport1
H0364	Human Osteoclastoma, excised	Human Osteoclastoma			disease	pBluescript
H0365	Osteoclastoma-normalized B	Human Osteoclastoma			disease	Uni-ZAP XR
H0366	L428 cell line	L428				ZAP Express
H0369	H. Atrophic Endometrium	Atrophic Endometrium and myometrium				Uni-ZAP XR
H0370	H. Lymph node breast Cancer	Lymph node with Met. Breast Cancer			disease	Uni-ZAP XR

H0372	Human Testes	Human Testes	Testis			pCMVSPORT 1
H0373	Human Heart	Human Adult Heart	Heart			pCMVSPORT 1
H0374	Human Brain	Human Brain				pCMVSPORT 1
H0375	Human Lung	Human Lung				pCMVSPORT 1
H0376	Human Spleen	Human Adult Spleen	Spleen			pCMVSPORT 1
H0379	Human Tongue, frac 1	Human Tongue				pSPORT1
H0380	Human Tongue, frac 2	Human Tongue				pSPORT1
H0381	Bone Cancer	Bone Cancer			disease	Uni-ZAP XR
H0383	Human Prostate BPH, re-excision	Human Prostate BPH				Uni-ZAP XR
H0384	Brain, Kozak	Human Brain				pCMVSPORT 1
H0386	Leukocyte and Lung; 4 screens	Human Leukocytes	Blood	Cell Line		pCMVSPORT 1
H0388	Human Rejected Kidney, 704 re-excision	Human Rejected Kidney			disease	pBluescript
H0389	H. Brain, X-Chromosome hybridization	Human Brain				pCMVSPORT 1
H0390	Human Amygdala Depression, re-excision	Human Amygdala Depression			disease	pBluescript
H0391	H. Meningioma, M6	Human Meningioma	brain			pSPORT1
H0392	H. Meningioma, M1	Human Meningioma	brain			pSPORT1
H0393	Fetal Liver, subtraction II	Human Fetal Liver	Liver			pBluescript
H0394	A-14 cell line	Redd-Sternberg cell				ZAP Express
H0395	A1-CELL LINE	Redd-Sternberg cell				ZAP Express
H0396	L1 Cell line	Redd-Sternberg cell				ZAP Express
H0398	Human Newborn Bladder	Human Newborn Bladder				pBluescript
H0399	Human Kidney Cortex, re-rescue	Human Kidney Cortex				Lambda ZAP II
H0400	Human Striatum Depression, re-rescue	Human Brain, Striatum Depression	Brain			Lambda ZAP II
H0401	Human Pituitary, subtracted V	Human Pituitary				pBluescript
H0402	CD34 depleted Buffy Coat (Cord Blood), re-excision	CD34 Depleted Buffy Coat (Cord Blood)	Cord Blood			ZAP Express
H0404	H. Umbilical Vein endothelial cells, uninduced	HUVE Cells	Umbilical vein	Cell Line		Uni-ZAP XR
H0405	Human Pituitary, subtracted VI	Human Pituitary				pBluescript
H0406	H Amygdala Depression, subtracted	Human Amygdala Depression				Uni-ZAP XR
H0408	Human kidney Cortex, subtracted	Human Kidney Cortex				pBluescript
H0409	H. Striatum Depression, subtracted	Human Brain, Striatum Depression	Brain			pBluescript
H0410	H. Male bladder, adult	H Male Bladder, Adult	Bladder			pSPORT1
H0411	H Female Bladder, Adult	Human Female Adult Bladder	Bladder			pSPORT1
H0412	Human umbilical vein endothelial cells, IL-4 induced	HUVE Cells	Umbilical vein	Cell Line		pSPORT1
H0413	Human Umbilical Vein Endothelial Cells, uninduced	HUVE Cells	Umbilical vein	Cell Line		pSPORT1
H0414	Ovarian Tumor I, OV5232	Ovarian Tumor, OV5232	Ovary		disease	pSPORT1
H0415	H. Ovarian Tumor, II, OV5232	Ovarian Tumor, OV5232	Ovary		disease	pCMVSPORT 2.0
H0416	Human Neutrophils, Activated, re-excision	Human Neutrophil - Activated	Blood	Cell Line		pBluescript
H0417	Human Pituitary,	Human Pituitary				pBluescript